

Plasma lipoproteins, cardiovascular reactivity and the sympathetic nervous system.

<https://www.researchgate.net/publication/20485179> PMID: 2670947 [Indexed for MEDLINE]

<https://www.ncbi.nlm.nih.gov/pubmed/2670947>

<https://doi.org/10.1111/j.1474-8673.1989.tb00219.x>, Source PubMed

PMID: 2670947 [Indexed for MEDLINE]

Cited in:

Journal of Autonomic Pharmacology; 9(4):293-301.1989

Plasma lipoproteins, cardiovascular reactivity and the sympathetic nervous system.

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Abstract

There is good evidence that important interactions between the sympathetic nervous system, plasma lipoproteins and vascular reactivity exist which may play an important role in the pathogenesis of cardiovascular disease and in acute cardiovascular events such as angina and myocardial infarction. In addition, platelets may play an important role in the influence of plasma lipoproteins on vascular reactivity. There is clearly a need for further research to clarify the nature of these interactions in man and their role in cardiovascular disease, and to evaluate the effects of altering environmental factors such as physical exercise and diet which are known to alter plasma lipoprotein levels, platelet reactivity (Barnard, Hall, Chaudhari, Miller and Kirschenbaum, 1987), sympathetic activity (Jennings, Nelson, Esler, Leonard & Korner, 1984), and cardiovascular reactivity (Rouse, Beilin, Armstrong and Vandongen, 1984).

References

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