

عنوان مقاله:

Evaluating The Association Between Serum Hsp α 7 Antibody and Hypertension in Patients without Underlying Cardiovascular Disease

محل انتشار:

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خلاصه مقاله:

Introduction: An association between heat shock protein ۲۷ (Hsp۲۷) antigen with cardiovascular risk factors has been shown previously. Furthermore, higher levels of serum anti-HSP۲۷ antibodies are also related to higher cardiovascular morbidity and mortality. In the current study, we looked at the relationship between serum Hsp۲۷ antibodies and hypertension, as an important cardiovascular risk factor, in individuals without evidence of cardiovascular disease (CVD). **Methods:** A sub-population of hypertensive patients (HTN+) without underlying CVD were recruited from the Mashhad stroke and atherosclerosis heart disease (MASHAD) study to assess the association between serum Hsp۲۷ antibodies and hypertension; independent of other cardiovascular risk factors. A total of ۱۵۹۹ people were studied of whom ۲۸۸ individuals had hypertension and ۱۳۱۱ were used as controls (HTN-). **Results:** Mean serum Hsp۲۷ antibody titers were ۰.۲۰ (۰.۲۷) OD in the whole population sample and was not significantly different in the normotensive (HTN-) compared to HTN+ individuals with different degrees of hypertension. **Conclusion:** There were no significant associations between serum anti-Hsp۲۷ concentrations and either the presence or severity of hypertension. Future studies are warranted to explore the association of anti-Hsp۲۷ antibody and antigen levels and other cardiovascular risk factors.

کلمات کلیدی:

Heat shock protein ۲۷ antibody, Hypertension, Cardiovascular Disease

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