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**Original article**

**Evaluation of parasympathetic functions in preeclampsia**

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**Abstract**

Preeclampsia, a common hypertensive disorder, occurs in up to 10% of all pregnancies. It is a disorder of low circulating volume and high vascular resistance. If preeclampsia (toxemia in pregnancy) is considered as an impairment of these hemodynamic alterations, one might expect differences in autonomic control of preeclampsia.Thus,the study was undertaken to assess parasympathetic cardiovascular functions in normalnonpregnant (50),pregnant(50)& preeclamptic pregnant females(50) of 19..29 age group..30/15 ratio, S/L ratio, E/I ratio & valsalva ratio are evaluated and compared among groups. It shows very significant decreased 30/15 ratio & S/L ratio in group II as compared to group I and in group III as compared to Group II.E/I ratio is significantly decreased only in group III as compared to group II. It is concluded that parasympathetic activity is decreased in preclampsia as compared to normal pregnant.

Keywords: Autonomic nervous system, parasympathetic function,preeclampsia