

echodopplercardiography to detect heart rate variability , left ventricular diastolic and systolic function .

The results of the present work showed that there is insignificant correlation between somatic peripheral neuropathy and cardiac autonomic neuropathy in the form of heart rate variability and ventricular dysfunction . Moreover , there is insignificant difference between somatic peripheral neuropathy and the duration of diabetes mellitus .

On the other hand , there is significant correlation between heart rate variability and each of the other variables except somatic peripheral neuropathy . And there is significant difference between the autonomic neuropathy and the duration of diabetes mellitus . So , in conclusion , the somatic peripheral neuropathy is affected by the metabolic control of diabetes mellitus . While the cardiac autonomic neuropathy is correlated with the duration of diabetes mellitus .