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**Original article:**

**Assessment of left ventricular diastolic dysfunction by Doppler Echocardiography in patients of diabetes mellitus**

**Dr.Sridevi , Dr.Ravindra Jain , Dr Ranjeet Patil**

Department of Cardiology, Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pune, Maharashtra, India

Corresponding author : Dr Sridevi

**Abstract:**

**Introduction:** Diabetes is associated with increased cardiovascular complications, the most common of which are ischemic cardiomyopathy and left ventricular (L V) dysfunction.

**Material and methods:** 100 patients of Diabetes Mellitus (Both type 1 and type 2) presenting to Padmashree Dr. D. Y. Patil Hospital and Research centre, Pimpri, Pune-18 were selected. 50 age and sex matched healthy non-diabetic controls were taken from friends and relatives of the patient.

**Results:** Out of 100 diabetic patients 79% had evidence of left ventricular diastolic dysfunction on Doppler echocardiography, while 18% of the controls showed abnormal diastolic parameters.

**Conclusion:** According to this study the incidence of LV diastolic dysfunction was more in hypertensive diabetics and in diabetics with CAD.

**Keywords:** Cardiovascular disorders , diabetes mellitus