

## **An investigation about prevalence of LV diastolic dysfunction(impaired relaxation) in 50 patients with type II diabetes mellitus, over 40 years old and without cardiac symptoms**

Author(s): **1.Dr.Adalat Hosseinian** 2.Dr.Manoucher Iranparvar Alamdari 3.Parisa Golizadeh  
4.Solmaz Seifi, Askshahr

Institute: 1.Assistant Professor of Cardiology, Ardabil University of Medical Sciences 2.Assistant Professor of Endocrinology, Ardabil University of Medical Sciences 3.Ardabil University of Medical Sciences 4.Azad Ardabil University of Medical Sciences, Member of Young Researchers Club

Country: Iran

Email: Behzadhossien3@yahoo.com

**Keywords:** *diastolic dysfunction, type II diabetes mellitus, echocardiography*

**Introduction:** Heart Failure is a prevalent disease in all countries especially in industrial societies. In diabetic patients, the incidence of heart failure is increased two-to sixfold compared to the non-diabetic individuals. Heart failure can be divided in systolic and diastolic types. The aim of this study was to determine the existence and prevalence of LV diastolic dysfunction in asymptomatic, over 40 years old, type II diabetic patients.

## **1- methylnicotinamide (MNA): a novel agent in limiting vasomotor dysfunction of coronary vasculature in diabetic rat**

Author(s): Marcin Dobaczewski, **Piotr Kazmierczak**, Marek Nocun, Jacek Golanski and Cezary Watala

Institute: Medical University of Lodz, Department of Haemostasis and Haemostatic Disorders

Country: Poland

Email: marcindobaczewski@wp.pl

**Keywords:** *1- methylnicotinamide, diabetes melitus, endothelial dysfunction*

**Introduction:** Among variety of diabetic complications, impairment of vascular vasomotory has been recently emphasized. The major cause of vascular dysfunction is nonenzymatic glycation which triggers local inflammatory response and oxidative stress. This state creates possible points of action for MNA, a novel therapeutic agent which possesses remarkable anti-inflammatory properties. The goal of this study was to evaluate a potential protective role of MNA on vasomotoric function of coronary vessels in diabetic rat. Supported by KBN Grant PBZ-KBN-101/T09/2003.