



## MEDICAL TIPS

**K-PIO TABLETS**

*Issue V, No. 17, 2023*

### **Change in left ventricular diastolic function after pioglitazone treatment in patients with type 2 diabetes mellitus: A protocol for systemic review and meta-analysis.**

*Song Han MM et al. Medicine 2023; 102(1): e32613*

- Pioglitazone is currently used as an anti-diabetic agent and can reduce cardiovascular events in patients with type 2 diabetes mellitus.
- Left ventricular dysfunction has been recognized as an early manifestation of myocardial dysfunction in type 2 diabetes patients.
- A systemic review and meta-analysis conducted with 7 studies revealed that pioglitazone not only significantly improved HbA1c levels but also showed an improvement in the left ventricular diastolic function.
- A subgroup analysis showed an improvement in the left ventricular diastolic function in type 2 diabetes patients < 55 years of age and not in patients  $\geq$  55 years of age.

**Pioglitazone treatment significantly improved left ventricular diastolic function in type 2 diabetes patients < 55 years but not in patients  $\geq$  55 years of age.**

