

TO STUDY THE EFFECT OF METFORMIN, GLIMEPIRIDE, VOGLIBOSE IN TREATMENT OF TYPE 2 DIABETES MELLITUS

Dr. Ashutosh Gupta, Dr. Sanjay Kumar Nigam, Dr. Rohit Agrawal

Abstract

Poor glycemic control was seen in most of the patients suffering with type 2 diabetes mellitus. Fixed dose combination of Metformin, Glimpiride, and Voglibose prescribed in patients with HbA1c more than 9.0% diabetic patients. The main aim is to study the effect of triple drug combination therapy in treating type 2 diabetes mellitus patients. Aim: To study the effect of metformin + glimepiride + voglibose in the treatment of type 2 diabetes mellitus patients.

Material and methods: The present study was carried out on 200 type 2 diabetes mellitus patients under inclusion criteria and ready to give informed consent forms were included in the study and treated with the combination of metformin + glimepiride + voglibose. All the patients' blood glucose levels and lipid profiles were estimated before taking drugs (baseline) and after 6 months of treatment, all the investigations were done again (after 6 months).

Results: Total number of patients included in the study was 200, among them; majorities were male with the age group of 51 – 60 years. All the patients HbA1c, FBS, PPBS, total cholesterol, triglycerides, HDL, LDL & VLDL. A higher significant mean reduction was observed in HbA1c, FBS & PPBS (p

Keywords

- triple drug combination therapy
- T2DM