

A study on combined effect of TMF~27 and TMF~35 on patients with type 2 Diabetes Mellitus

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Diabetes Mellitus type-2, formerly non~insulin~dependent diabetes mellitus (NIDDM) or adult on set~diabetes is amatabolic disorder that is characterized by high blood glucose in the context of insulin resistance and relative insulin deficiency. In Traditional Medicine teaching hospital(100 Bedded)under the University of Traditional Medicine, Mandalay, thirty patients were screened for type 2 diabetes mellitus. These patients who gave informed consent for participation were conducted phase~ 2 clinical trial according to objectives of determining antihyperglycemic effect of combined drug TMF~27 and TMF~35 and its side effects.

Before trial, fasting blood sugar, liver function tests (SGOT, SGPT), serum creatinine and ECG were done. Thity four patients took four tablets (1g /tables) there times per day with meal after getting diet control and regular physical exercise advise. Fasting blood sugar was measured on day 0 before trial. Then fasting blood sugar was measured on day 7, day 14, day 21and day 28. Blood sugar level of 2 HPP (two hours post prandial blood sugar) was measured on day 7 only. At the completion of trial, fasting blood sugar glucose levels reduced significantly from day 0(246.76 mg /dl) to day 28 (148.471 mg /dl) and " P" value is 0.00002. There was no side effect like severe hyperglycemic or hypoglycemic attack during study period. It was observed that there were no changes in ECG, serum bilirubin and creatinine.

The present study indicated that combined drug TMF~27 and TMF~35 had significant antihyperglycemic effect on type 2 Diabetes Mellitus (Madhumeha) patients.