6 CONCLUSIONS:

The following conclusions can be drawn on the basis of results that have been presented and discussed in the present work.

- Administration of l-arginine increases the intestinal transit thereby impairing the nitrergic transmission.

- Administration of yesaka, sildenafil does not significantly decrease the impaired intestinal transit.

- Supplementation of N\textsuperscript{G}-nitro-l-arginine in the above groups inhibits the intestinal transit significantly.

- Supplementation of N\textsuperscript{G}-nitro-l-arginine with metformin inhibits the intestinal transit, does not increase the biochemical parameters and also prevents the impairment of NO and intestinal transit in hyperglycemic rats.

- Impaired NO and intestinal transit in hyperglycemic rats is a reality.