

To Study the Effect of High Dose Atorvastatin 40mg versus 80mg in Patients with Dyslipidemia

Agrawal D, et al. Indian Heart J 2018; 70(3); S8-S12.

- Primary objective was to compare the effects of atorvastatin 40mg vs. 80mg on LDL-C in Indian patients (n=240) with atherosclerotic dyslipidemia.
- At 3 and 6 month follow up, atorvastatin 40mg leads to mean LDL-C reduction of 47.18 ± 20.81 mg/dL and 50.03 ± 18.06 mg/dL respectively. While atorvastatin 80mg results in LDL reduction as 50.11 ± 15.85 mg/dL and 52.30 ± 13.72 mg/dL.
- The comparison between two doses revealed a non-significant difference in efficacy. After 6 months, more patients reported myalgia with higher dose of atorvastatin.

This study concluded that both doses of atorvastatin (40mg and 80mg) are equally efficacious in improving dyslipidemia but higher dose (80mg per day) leads to more incidence of myalgia.