FUTURE PLAN

Further studies on the molecular mechanism of hypolipidemic action of HMG will involve the following approach—

1. In order to find out the effect of HMG administration on the plasma levels of lipoproteins, quantitation of different lipoproteins will be made in normal and hyperlipidemic rats after HMG treatment.

2. The compositional changes in the plasma lipoproteins shall be studied in HMG treated rats.

3. To understand the effect of HMG on the metabolism of lipoproteins, the activities of hepatic lipase and lipoprotein lipase in post-heparin plasma will be measured in HMG treated hypercholesterolemic and hypertriglyceridemic rats.

4. Plasma lecithin cholesterol acyl transferase (LCAT) activity will be measured in normal and hypercholesterolemic rats after HMG treatment to elucidate the involvement of HMG with the esterification of plasma cholesterol and its transport by high density lipoprotein.

5. Studies on the effect of HMG on platelet aggregation and disaggregation will be made using normal and hyperlipidemic rats.