

**Hypolipidemic effect of triterpenoid extract from the bark of terminilia arjuna.**

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**ABSTRACT**

The present study was aimed to investigate the possible cardio protective role and hypolipidemic effect of Arjunolic acid (AA) isolated from the bark of Terminilia arjuna against Cyclosporine A (CsA) treated rats. The animals were treated with the AA (10mg/kg.B.wt) along with CsA (25kg/B.wt) in olive oil for 21 days. After 21 days all the animals were anesthetized heart and aorta were removed. The tissues were homogenated and the estimation of Cholesterol; TG & FFA were carried out. The levels of cholesterol, TG & FFA were estimated in serum also. The statistical analysis of data showed that CsA caused a significant increase in cholesterol. TG & FFA in the CsA treated rats. The triterpenoid extract containing AA has significantly decreased cholesterol, TG & FFA in CsA and AA treated rats. The AA present as the active compound in TA extract, successfully prevented atherogenesis. It also has high hypolipidemic effect. Further studies will help develop AA as an anti-atherogenic drug.