

Anti-Inflammatory Effects of Metformin Irrespective of Diabetes Status

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- Metformin has cardiovascular benefits, but the underlying molecular mechanisms are poorly understood.
- Recent research has demonstrated that metformin suppresses secretion of proinflammatory cytokines and inhibits tumor necrosis factor- α (TNF- α)-dependent expression of proinflammatory mediators (IL-6, 1L-1 β). These effects were independent of its antihyperglycemic effects.

Anti-inflammatory properties of metformin are exerted irrespective of diabetes mellitus status.

This may accelerate investigation of drug utility in nondiabetic cardiovascular disease groups.