

Effect of Losartan on Mitral Valve Changes after Myocardial Infarction.

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- After a myocardial infarction (MI; heart attack), mitral valve (MV) leaflet thickening and fibrosis can cause heart failure and mortality.
- Transforming growth factor (TGF)- β is an inflammatory mediator which plays a key role in post-MI MV fibrosis.
- In a preclinical study, losartan was shown to inhibit TGF- β , thereby preventing pro-fibrotic MV changes post-MI. Losartan reduced endothelial cell activation, collagen deposition and neovascularization.

In this preclinical study, losartan was shown to inhibit TGF- β and prevent pro-fibrotic changes in MV leaflets post-MI.