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Ginsenoside Rg1 ameliorates oxidative stress and myocardial apoptosis in streptozotocin-induced diabetic rats

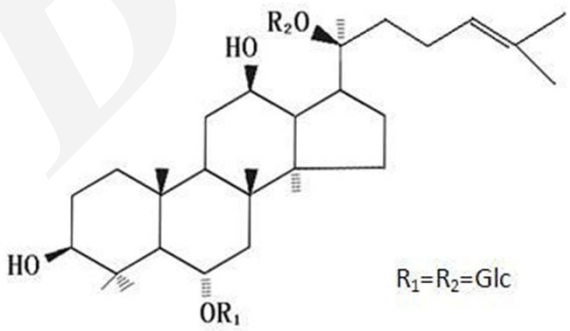
Key words: Ginsenoside Rg1, Diabetic cardiomyopathy, Oxidative stress, Apoptosis, Caspase-3 (CASP3)

JZUS-B

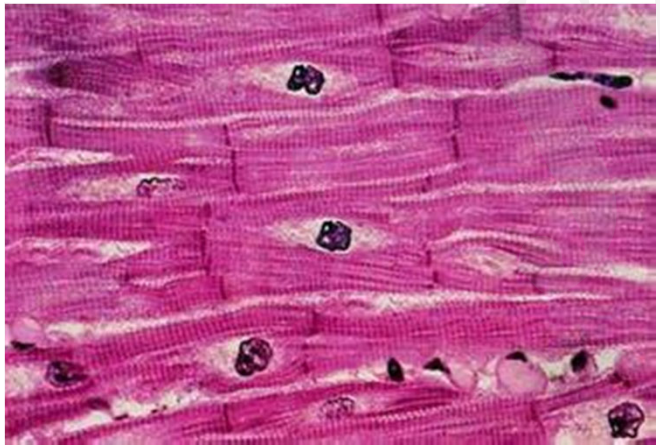
Research Summary

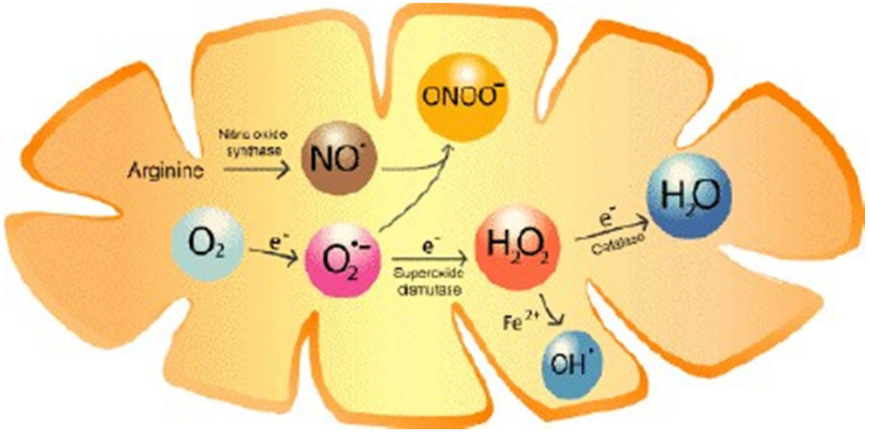
This article mainly focused on cardioprotective effects of ginsenoside Rg1 in streptozotocin-induced diabetic rats





- **Reduced oxidative stress**
- **Attenuated myocardial apoptosis**



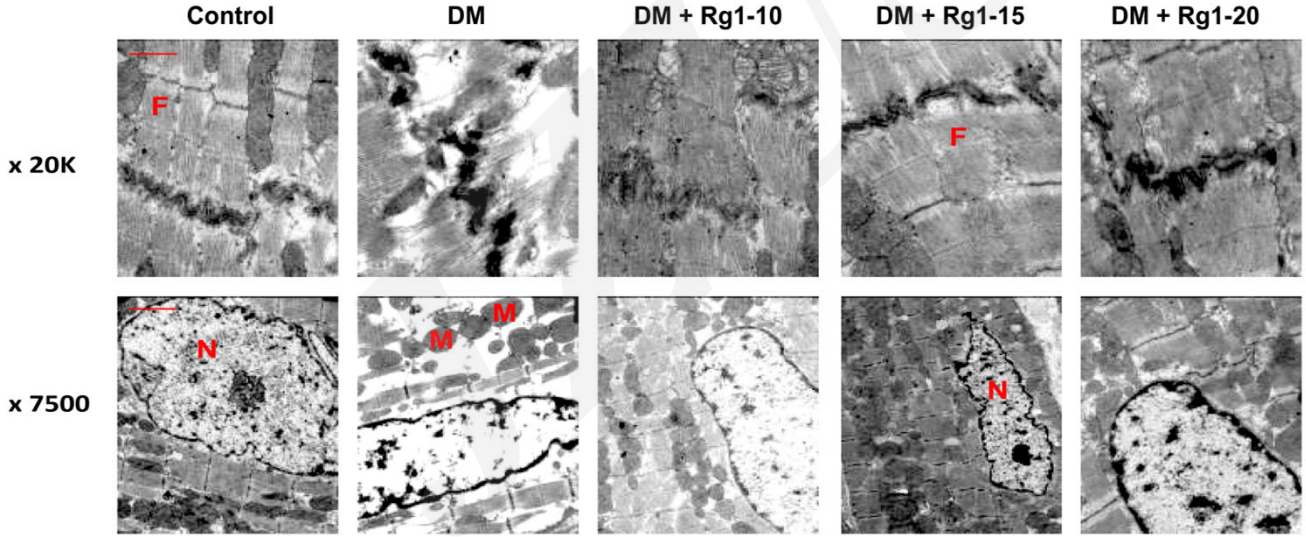


Impotant conclusions

1 | Lessened ultrastructural disorders in diabetic myocardium

2 | Reduced in serum and myocardial levels of malondialdehy

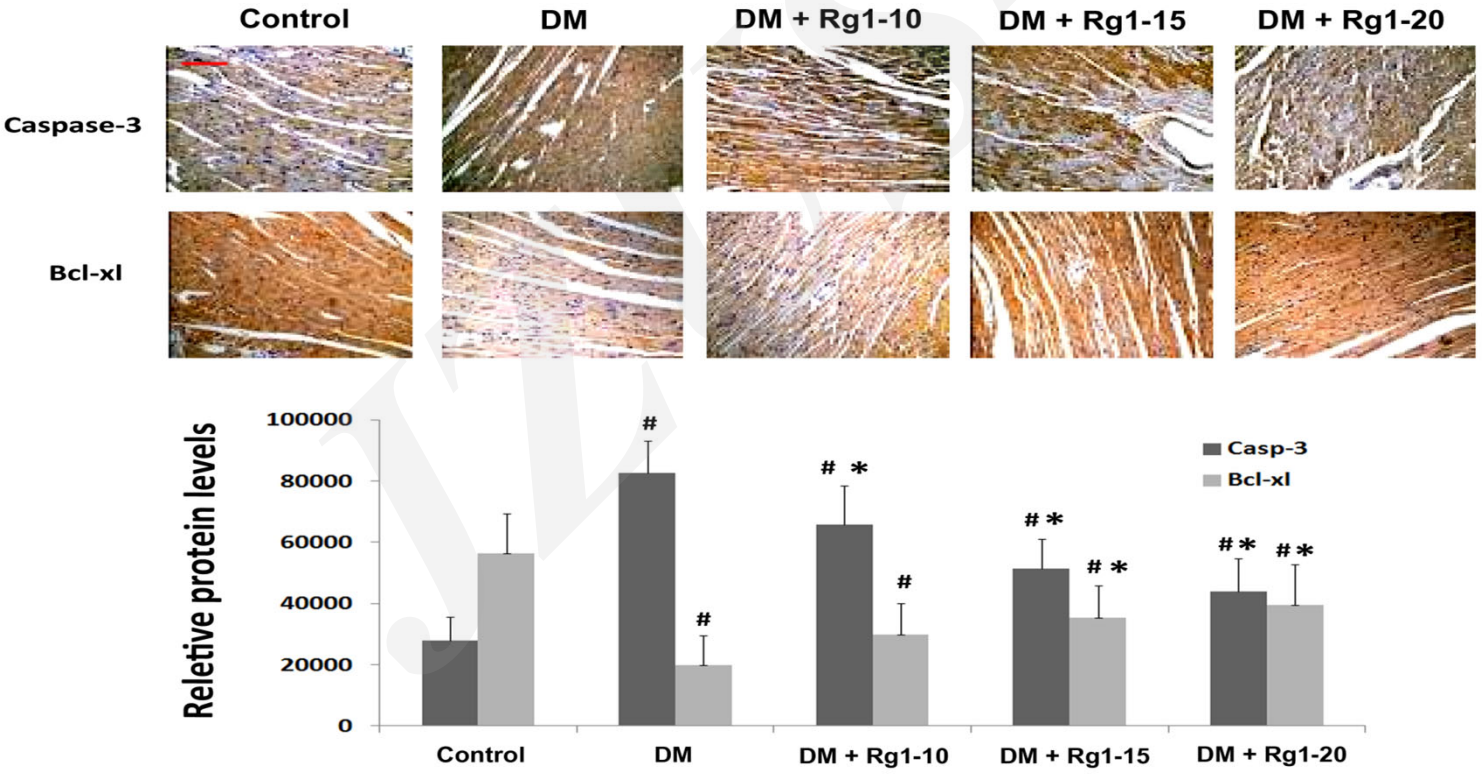
3 | Increased levels of the antioxidants superoxide dismutase, catalase, and glutathione peroxidase



Impotant conclusions

3 | Reduced serum levels of creatinine kinase MB and cardiac troponin I

4 | Reduced levels of CASP3 and increased levels of Bcl-xl in the diabetic myocardium



Impotant conclusions

5 | Reduced myocardial apoptosis inTUNEL staining

