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Effects of rapamycin against paraquat-induced pulmonary fibrosis in mice

Key words:

Paraquat, Pulmonary fibrosis, Rapamycin(RAPA), Methylprednisolone(MP), Transforming growth factor-β1(TGF-β1), α-smooth muscle actin (α-SMA), Mice

Research aims

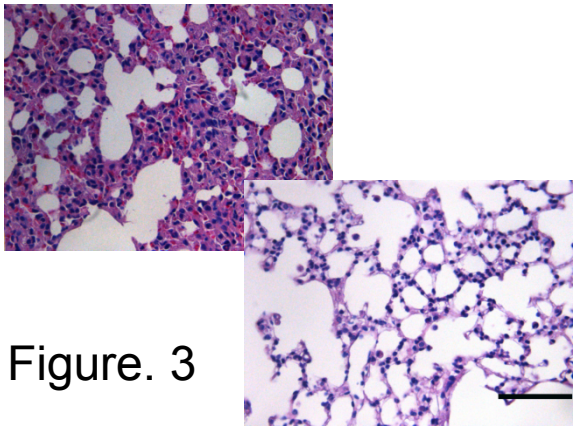
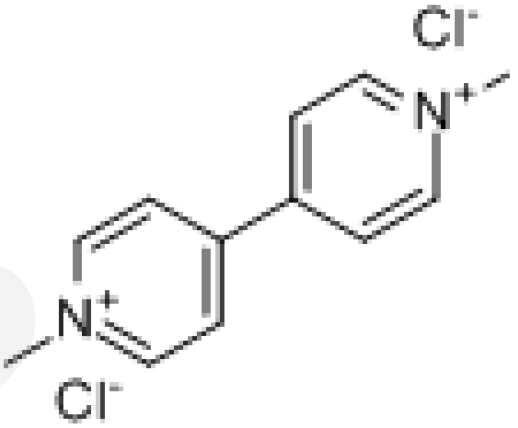


Figure. 3

Our research mainly focused on



The effects of RAPA on inhibiting PQ-induced pulmonary fibrosis in mice



Its possible mechanisms

Main conclusions

- Our study showed ***for the first time*** that RAPA has **significant inhibitory** effects on progressive pulmonary fibrosis in the PQ intoxication mice model.

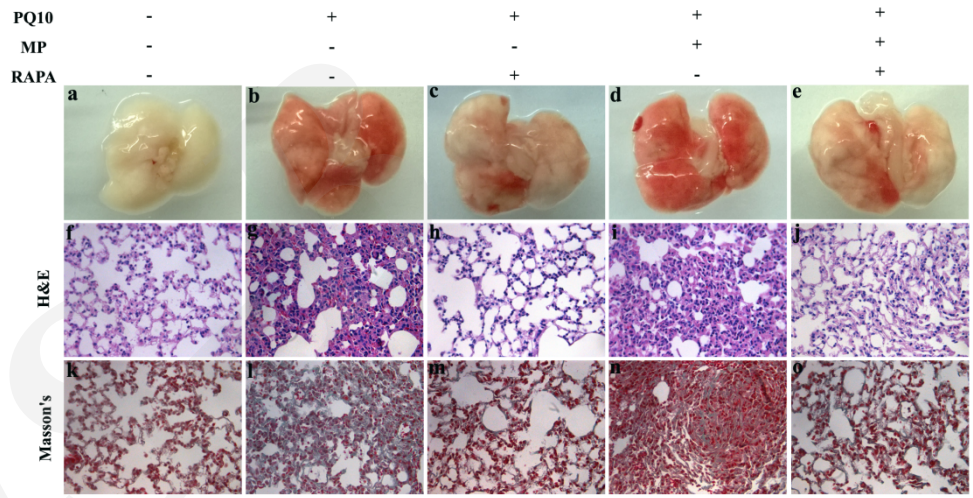


Figure. 3

- These effects may be partly ascribed to **the inhibition of TGF-β1.**

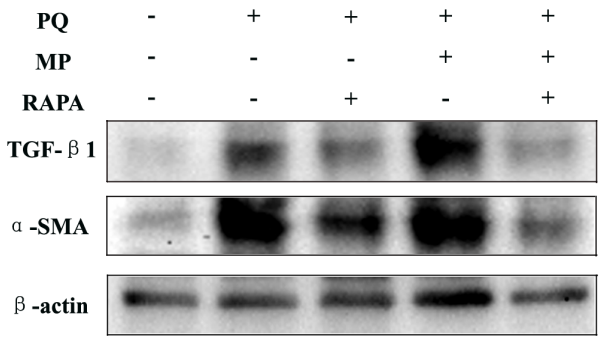


Figure. 6

Main conclusions

- **A series of figures were generated to prove our conclusions:**

