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Protective effect of L-carnitine in cyclophosphamide-induced germ cell apoptosis

Key Words: L-carnitine, Infertility, Cyclophosphamide, LC3, Beclin-1

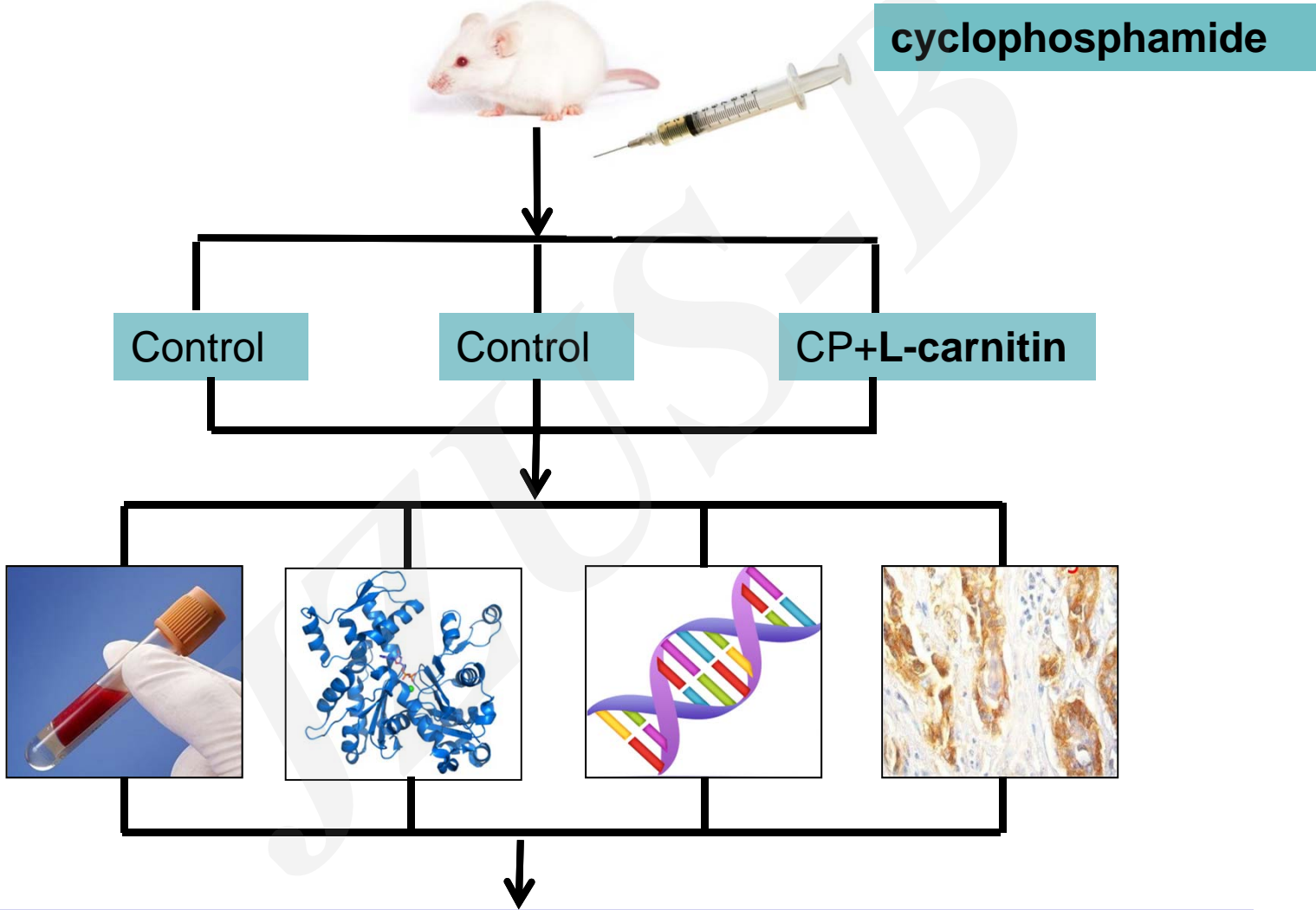
Research Summary

This review mainly focused on the treatment efficiency of L-carnitine to Cyclophosphamide induced male infertility.

Through our researches, we had for the first time proved that L-carnitine can improve the male reproductive capacity by inhibiting of cell apoptosis and the modulation of autophagy.



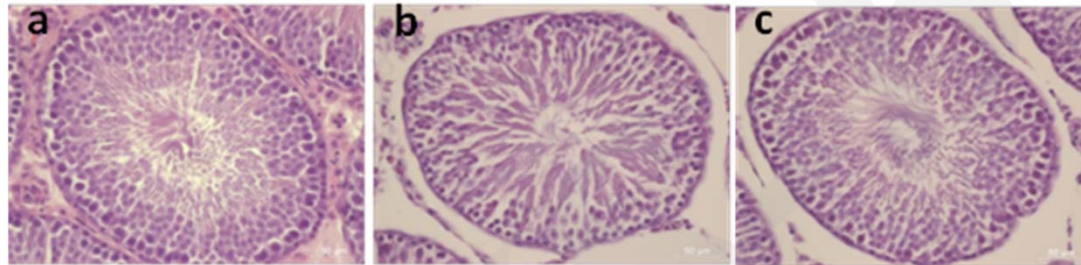
Graphical abstract



L-carnitine can be used to treat male infertility which was caused by taking cyclophosphamide

Innovation points

- We had demonstrated that L-carnitine can be used to treat male infertility of cancer patients who was taking cyclophosphamide.



- We had clarified the mechanism of why L-carnitine contributed to male infertility.

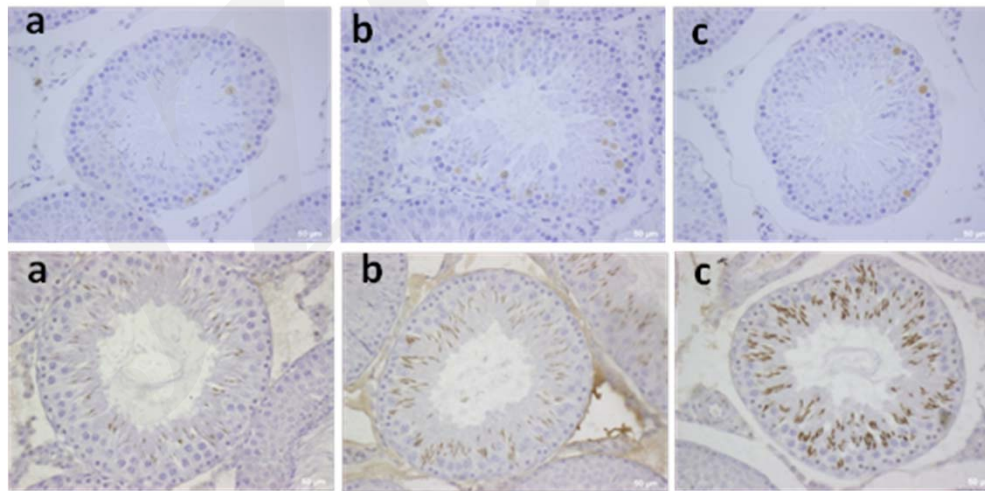


Figure 4