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Immunomodulatory effect of a formula developed from American ginseng and Chinese jujube extracts in mice

**Key words: American ginseng, Chinese jujube,
Immunomodulation, Antioxidant activity**

Research Background

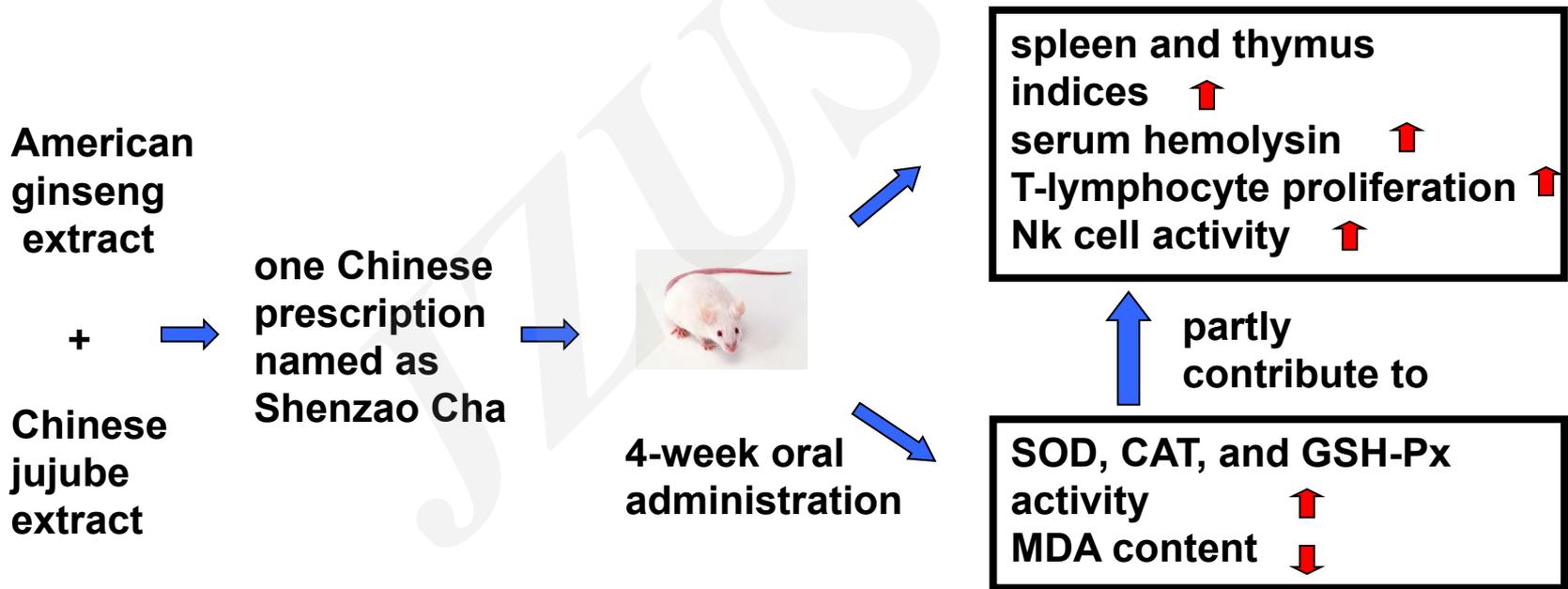
Immunomodulatory effects of ginsenosides derived from American ginseng and of polysaccharides present in jujube were unveiled by previous studies. However, it is noticeable that the research focused on the crude extracts from these two materials is rare. For developing a novel functional products, crude extracts are more suitable.

Besides, Previous reports suggested that mixtures of some bioactive components may exert a better effect compared with compounds used individually, which has motivated us to develop a new formula called Shenzao Cha (SZC), comprising American ginseng and Chinese jujube.



Research Summary

The present study aimed to develop one Chinese prescription, Shenzao Cha (SZC), consisting of American ginseng and Chinese jujube, and systematically investigate its immunomodulation in healthy ICR mice.



Research Significance

Shenzao Cha (SZC) exhibited potent immunomodulatory effects on innate and adaptive immunity in healthy ICR mice, as well as potential antioxidant activities for prevention of oxidative stress, which may partly contribute to the immune enhancement. Therefore, our findings provide experimental evidences that American ginseng and Chinese jujube can be used daily to nurse one's health and immune function efficiently, which may provide a novel idea for developing the functional products using American ginseng and Chinese jujube.



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A novel idea

Our research

