Introduction

The immune system is a host defense system comprising many biological structures and processes. It must detect a wide variety of agents, known as pathogens. Since the advent of communication technology, as humans are exposed to diversified kinds of pollutions including air, water, soil, etc, their immune system can be threatened by causing different types of disorder and deficit. Consequently, consumption of medicine is the reasonable procedure which is really prevalent. As the drawbacks of synthetic drugs outweigh the benefits, consumption of herbal medicines are superior to them. Furthermore, some herbal medicine such as Nigella sativa is an Iranian endemic plant which has a host of various properties as much as honey.

Results and Conclusion

The aim of the present study was to investigate the effectiveness of combination of Nigella sativa and honey in reduction of inflammation and strengthen the immune system. Twenty male mice aged 45 days were divided in to the four groups. Inflammation was induced by the gavage needle. Then they were treated orally for 17 days. The first group was the negative control and was given distilled water. The second, third and fourth groups were given honey, Nigella sativa oil and combination of both respectively and equally. The reduction of Tnf-α in the last group is more significant versus others. In the final analysis, the potential combination of honey and Nigella sativa oil in augmentation of the immune system is higher than others.

References