



## ABSTRACT

Accumulation of excessive iron is harmful for different organs. Overloaded iron also results in the rise of serum iron concentration. Present study was designed to see the improving effects of *N. sativa* on the organs and serum of iron overloaded mice. Iron was overloaded artificially in mice by administrating iron dextran injections intravenously.

Mice were divided into 3 groups. First group was control group. Mice in this group were fed on normal diet with saline water. Second group of mice were injected with iron dextran injections for 15 days. Third group was also injected with iron dextran injection for 15 days. After 15 days dextran injection was discontinued and *N. sativa* was given to mice orally for further 15 days.

After 15 days of iron overloading, serum iron level was increased and organs were started to damage. When iron overloaded mice were fed on *N. sativa*, a gradual decrease was observed in the iron concentration of serum and organs. Effect of *N. sativa* was also observed through histopathological analysis.