

# ABSTRACT

In present studies, mice were overloaded with iron injection (Jectofer injection, preparation containing iron sorbitol citric acid complex B.P, equivalent of 75 mg elemental iron in 1.5 ampule) @ 0.01ml to each mouse (equivalent to 0.5 mg elemental iron per mouse) for 5 weeks.

The overloaded mice were treated with drug Ferrum metallicum 30 for three weeks to look at the iron elimination, since the drug was dissolved in alcohol 90% so alcohol 90% was used for treatment of control mice (iron overloaded at the start of the experiment).

The data shows a significant increase in the iron concentration in serum and various tissues like liver, kidney, muscle of iron overloaded mice. The GPT, GOT, bilirubin and creatinine level also shows a significant increase in iron overloading.

The treatment of iron overloading mice with homeopathic drug Ferrum metallicum 30 led to an effective removal of excessive iron from the body with a sign of improvement in the health of experimental mice. However, it has been discovered in the present investigation that the iron chelation was largely attributable to alcohol which was the vehicle of the homeopathic drug used.