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| Histopathological study on the myocardiul aging induced by lead acetate in rats  | Research Title  |
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| The present study was designed to investigate the histo pathological changes in the rats exposed to different doses of lead acetate and to make knowledge about the myocardial aging in case of lead poisoning.the study was don e on 60ratsof approximately(7\_8)weeks,males and females.animals randomly divided into4 groups,4 rats in each .three group **A,B** and **C** received drinking water contained respectively,(0.5,1.0,1.5%)of lead as as lead acetate via driking waterfor 2 months , group received no treatedand servedas control group .the clinical singns were recorded continously.the mainsigns were sluggishness ,restlessness and dyspnea.results showed that the severityof the lesion s in the myocardium depending upon the duration of exposure and the concentration of lead acetate in drinking water.heart sections showed severe degeneration of cardiac musculature and necrosis with edemaof myocardium,congestion of blood vessels,fibrosis,vaculaolation of cardiac muscle fibers,atherosclerosis and muscle atrophy .aging of the rat myo cardium appers to be chracterized by myocyte loss, muscle atrophy and reduction in ventricular mass. | Abstract |