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# **Tegumental changes in schistosoma mansoni with mefloquine treatment in experimental mice by electron microscopy**

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Results In the present work, we studied the effect of mefloquine on the tegument of juvenile and adult *S.mansoni* worms by scanning electron microscopy. Mice were infected with *S.mansoni* cercaria and mefloquine was given at 21 and 49 days post infection .Perfusion was done two, three and seven days post treatment.Total worm burden study :The percentage of total worm burden was reduced in juvenile .Two days post treatment, it was reduced by 75.9%, while three days post treatment it was reduced by 81.6% and the percentage of total worm burden reduction in juvenile *S. mansoni* infection one week post treatment was 95.8%. Statistically, there was significant differences between control(untreated) group and perfused groups two days , three days and seven days post treatment(P