

***HELICOBACTER PULLORUM* MODEL ON BALB/cA MICE**

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ABSTRACT

Helicobacter pullorum is the bacterium found in the poultry and is an infective intestinal pathogen of man. 40 BALB/cA mice were used for the experiment to investigate whether the mice get infected with *H. pullorum* or not. We analysed stomach, intestine, caecum, liver and faeces of the mice after infection at every two weeks interval and found to be culture and PCR positive. The controls showed negative results. Immunoblotting of serum samples from infected mice showed positive bands of antigen-antibodies reacting with the anti-IgG/IgM antibodies. Therefore, it can be concluded from this study that mice infected with *H. pullorum* get the infection in their body which is comparable to human being which is also a mammal.

KEYWORDS: *H. pullorum*, Mice, Liver, Stomach, Intestine, Faeces, PCR

Short Running Title: *H. pullorum* Model