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Experimental studies on pathological and immunological aspects on avian influenza virus in SPF chickens.

Thesis presented
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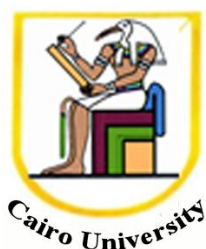
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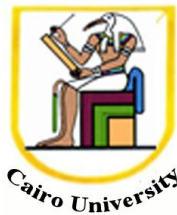
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Abstract

The present study was done to evaluate the pathological, immunological and molecular changes in response to two different vaccine regimes of avian influenza. In this study, we divided 100 SPF chicks into four groups; the first one was not vaccinated not challenged (Negative control). The second group was not vaccinated and challenged (Positive control), the third one was vaccinated with inactivated vaccine at 10 day alone. Finally, the fourth group was vaccinated with recombinant fowl pox vaccine at day old chicks and boosted with inactivated vaccine at 10 days old. The protection achieved from different two vaccination regimes was measured using quantitative RRT-PCR, humeral immunity measured using HI test .Lymphocyte proliferation assay using cell mediated immunity evaluation. In addition, pathological alteration and the viral load and distribution in different organs were described.

Key words: pathological, immunological, experimental, avian influenza, chickens

Dedication

To my dear parents, sisters and brothers.

*To my dear husband and beloved son and daughter Mohamed
and Mariem for their great help and support.*

Thanks a lot...

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