**DETECTION OF CAUSAL AGENT OF FOWL CHOLERA FROM DEAD LAYER BIRDS OF CHITTAGONG**



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**This clinical report is submitted as per approved style and content**

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**ABSTRACT**

The study was conducted to know the prevalence of fowl cholera in commercial layer farm in Chittagong. It was carried out from 7 July, 2013 to 31 July 2013. In this short time study (25 days) period, 30 chickens were examined of which 3 was tentatively diagnosed as fowl cholera on the basis of thorough clinical inspection and postmortem investigation. Then samples were collected from fowl cholera suspected birds and laboratory test was done. The prevalence of fowl cholera was determined on the basis of postmortem examination and observation of bipolar organisms under microscope after Giemsa staining. The apparent prevalence of fowl cholera in commercial layer farm in Chittagong is 10%. The prevalence of fowl cholera affected farm is 12.5% and the true prevalence of fowl cholera is 0.029%. However, because of small sample size this prevalence is not statistically significant. The variation of fowl cholera infection in different farms is due to age, rearing system and hygienic measurement e.g. Presence of footbath, watering, drainage facility and presence of trees and bushes.

**Keywords:** Prevalence, Fowl cholera, postmortem examination, Giemsa stain, statistically significant.

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