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# Acute-phase proteins in different pathological conditions at the lungs of buffaloes

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## Abstract:

The present study was undertaken to evaluate the effect of different pathological lung affections of buffaloes (*Bubalus bubalis*) on blood acute-phase proteins. A total number of 88 female buffaloes (4-7 years old) were subjected to study. Out of them, 63 animals had lung affections that were classified according to the gross and histopathological findings into pulmonary congestion and edema (N = 7), bronchiolitis and emphysema (N = 20), fibrinous bronchopneumonia (N = 22), and broncho-interstitial pneumonia (N = 14). The remained animals (N = 25) were kept as control. Plasma fibrinogen, serum haptoglobin, total proteins, and albumin levels were measured. Results revealed that plasma fibrinogen and serum haptoglobin levels were significantly increased in buffaloes with bronchiolitis and emphysema (P

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