

EFFECT OF GLYCOGEN AND CHOLESTEROL CONTENT IN THE LIVER OF HOUSE SPARROW, PASSER DOMESTICUS DOMESTICUS (L) UNDER NORMAL AND EPINEPHRINE TREATED CONDITION

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ABSTRACT

A study was conducted on 12 randomly selected female House Sparrow (*Passer domesticus domesticus* L.) to observe the effect of Glycogen and Cholesterol in the liver under controlled and Epinephrine treated condition. The treated birds were given Adrenaline injection (Adrenaline Tartarate Ciba) daily at the dose of 500^ug / 100g body weight and controls received 0.62 % NaCl intramuscularly at 10 a.m. for seven days. It has been observed that the Glycogen content of liver is depleted (-33.72 %) whereas the Cholesterol content increased (+70.05 %) after intramuscular administration of epinephrine. This might be due to altered metabolic rate of the bird after hormone treatment. Abbreviated title: Adrenaline effect on House Sparrow liver.

KEYWORDS: Adrenaline, Cholesterol, Glycogen & House Sparrow liver