

RESEARCH ON DEVELOPMENT STAGES OF OVIDUCT FLUKE IN DUCK

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Summary

The purpose of this study was to determine development stages of Oviduct fluke in duck. A total of 180 ducks at 12 weeks of age were infected by feeding metacercaria from dragonfly larvae or dragonfly. Result showed, the infection rate of Oviduct fluke was 100%. The infection intensity of Oviduct fluke was 10-45 worms/duck (average 18.63 ± 8.03), in particular, the Oviduct was 11-37 worms/duck (average 19.52 ± 7.91) and the Fabricius was 10-45 worms/duck (average 17.74 ± 8.16). The above result also showed, ducks were very susceptible with metacercariae of Oviduct fluke. Larvae of Oviduct fluke were found the soonest at period of 4 hours after infection. Larvae developed into adult fluke and produced eggs. Eggs were passed out in environmental together with dropping after 19 days. Oviduct fluke parasited in duck including three stages: larval, immature and adult stage. Larva migrated the Cloaca by moving along digestive tract, and then, larvae moved the Fabricius and Oviduct.

Keywords: *Oviduct fluke, dragonfly, duck, Fabricius, Oviduct.*