

**HISTOPATHOLOGIC ALTERATION OF CHICKEN
CECAL MUCOSA CAUSED BY REPEATED
INFECTION OF *Eimeria tenella***

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ABSTRACT

The objective of this research was to determine histopathological alteration of *E. tenella* infection on epithelial cell crypt *lieberkuhn* cecal mucosa in the first infected and reinfected chicken by *E. tenella*. Seventy CP 701 chickens at three weeks old were divided into two groups. The first chicken group was infected with *E. tenella* on the fifth week old and the second group was administered with *E. tenella* on the third and fifth week old. Each group consisted of 35 chickens, of both group 5 chickens were sacrificed every two days from 2nd day up to 6th day post infection for cecal mucosa examination.

The result showed that there were significantly differences of histopathological alteration of cecal mucosa and *E. tenella* oocyt production between infected the first infected and reinfected chicken group ($p < 0,05$).

Keywords : *E. tenella*, cecal mucosa, crypt *lieberkuhn*, first infection, reinfected chicken.