

Erratum to "EFFECT OF *IN OVO* ADMINISTRATION OF BUTYRIC ACID INTO BROILER BREEDER EGGS ON CHICKEN SMALL INTESTINE PH AND MORPHOLOGY"

A. SALAHI^{1*}, S. G. ADABI², M. M. KHABISIP³, A. ANISSIAN⁴, R. G. COOPER⁵

¹Raam Toyour Company, Tehran, Iran

Tel.: (+98) 09131434146. Fax: (+98) 02166942030. E-mail: ahmad.salahi2010@gmail.com

²Faculty of Agriculture, Department of Animal Science, Ankara University, Ankara, Turkey

Email: adabishahram@gmail.com

³Department of Animal Science, Islamic Azad University, Kahnooj Branch, Kahnooj, Kerman, Iran

E-mail: m_sheflera@yahoo.com

⁴Department of Veterinary, Islamic Azad University, Abhar Branch, Abhar, Zanjan, Iran

E-mail: Dr_anissian@yahoo.com

⁵Birmingham City University, Birmingham, UK. E-mail: rgcooperuk@yahoo.com

ABSTRACT

This experiment was conducted to evaluate effects of *in ovo* butyric acid (BA) administration into broiler eggs on chicken small intestine pH and morphology. 480 fertile eggs were obtained from Ross broiler breeder (45 wk) and divided into 3 treatments with 4 replicate and 160 eggs per treatment. On the 18th day of incubation, 1 ml of *in ovo* solution was injected into amniotic fluid. Treatments were including 0.3 % BA solution, 0.9 % NaCl solution and control group. For pH and intestinal morphometric examination, 4 chicks per replicate were euthanized. The results showed that effect of BA injection on jejunum ($p < 0.01$) and ileum pH ($p < 0.05$) on hatch day was significant. Jejunum villi height increased ($p < 0.05$) on the 7th day compared with the control group. The highest ileum villi was observed following the BA injection ($p < 0.01$). It can be concluded that BA injection affects small intestine morphology and increases body weight of chicks.

Key words: *in ovo* injection, butyric acid, pH, small intestine morphology

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