

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

A. SALAHI<sup>1\*</sup>, S. G. ADABI<sup>2</sup>, M. M. KHABISIP<sup>3</sup>, A. ANISSIAN<sup>4</sup>, R. G. COOPER<sup>5</sup>

<sup>1</sup>Raam Toyour Company, Tehran, Iran

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

<sup>2</sup>Faculty of Agriculture, Department of Animal Science, Ankara University, Ankara, Turkey

Email: adabishahram@gmail.com

<sup>3</sup>Department of Animal Science, Islamic Azad University, Kahnooj Branch, Kahnooj, Kerman, Iran

E-mail: m\_sheflera@yahoo.com

<sup>4</sup>Department of Veterinary, Islamic Azad University, Abhar Branch, Abhar, Zanjan, Iran

E-mail: Dr\_anissian@yahoo.com

<sup>5</sup>Birmingham City University, Birmingham, UK. E-mail: rgcooperuk@yahoo.com

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### 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 18<sup>th</sup> 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 7<sup>th</sup> 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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