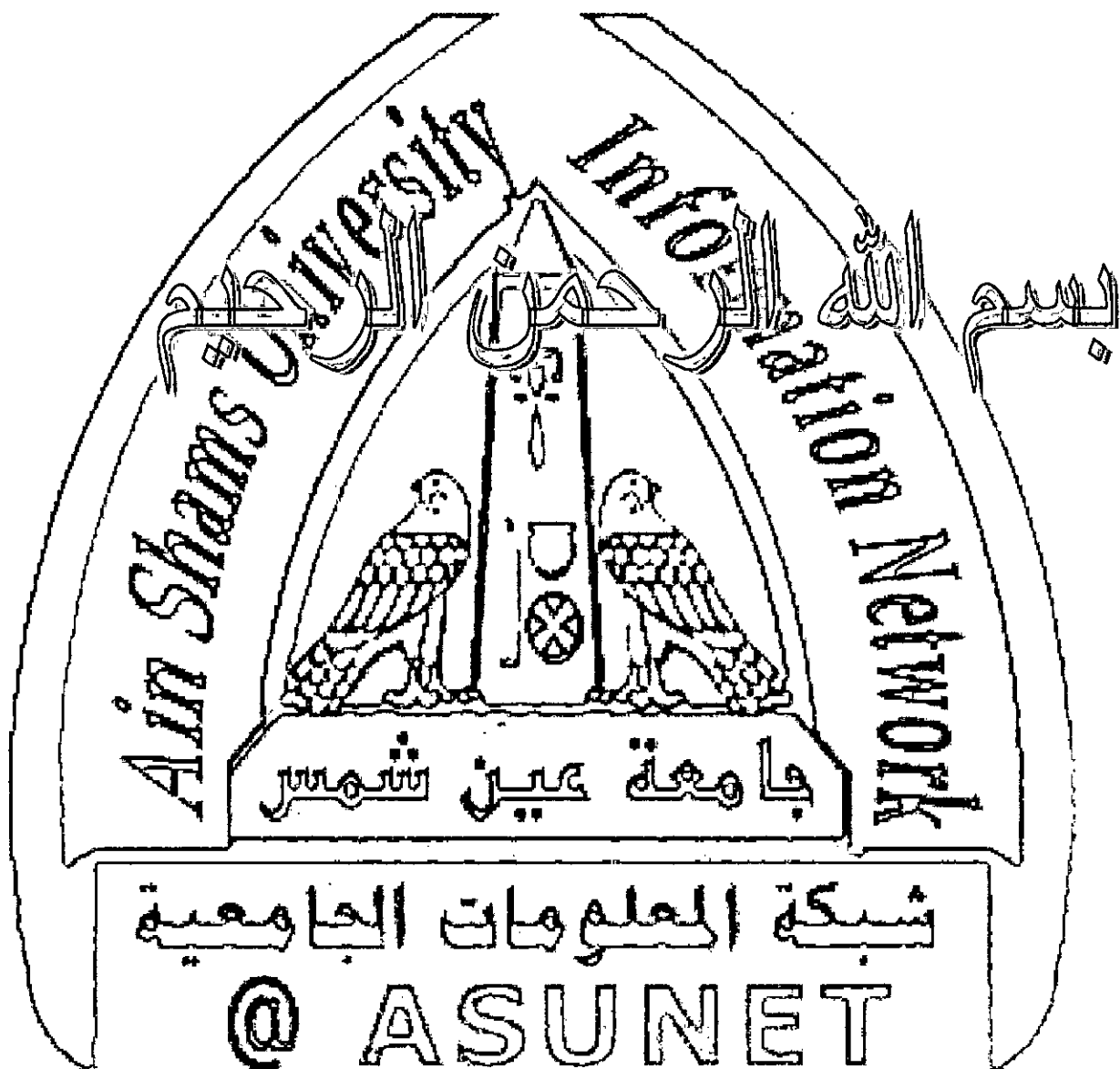




شبكة المعلومات الجامعية





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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# **Clinicopathological Studies on Salmonellosis in Chicken**

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وفوق كل ذي علم عظيم  
صدق الله العظيم



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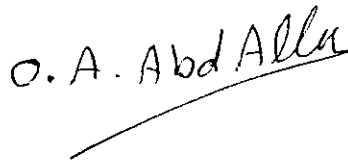
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#### English Abstract

The salmonellosis considered one of the most common and serious diseases that hindered the development of the poultry industries so the aim of the study to clarify the effect of salmonella on both the clinical pathological parameters. Also this study evaluates the efficiency and safety of some drugs from clinicopathological view.

Two hundred and forty one day old chicken was divided into six groups, the first one was infected with salmonella, second one was infected with salmonella and treated with ciprofloxacin, third one the same infection abut treated with colistine, the fourth just treated with coistine, while the fifth just treated with ciprofloxacin and the last one considered the control negative group.

Finally, we can conclude that the salmonella is a serious disease of poultry because of high mortality rate and tissue damage liver, kidney and intestine that confirmed by increase the level of liver enzyme, uric acid, creatinine and decrease of total protein, cholesterol and glucose, and the histo pathological changes. Also salmonella lead to anemia,

thrombocytopenia and leukocytosis. From the other hand the study indicated the ciprofloxacin effective than colistin in treatment of salmonella infection in newly hatched chicken.

The data from this study can be used as a basis for further study to clarify hematological and biochemical changes during the salmonella infection and the treatment period.

Key Words

Poultry, Salmonella, Ciprofloxacin and Colistin

## **List of Content**

	<i>Page</i>
<b>1. Introduction</b>	<b>1.....4</b>
<b>2. Review of Literatures</b>	<b>5.....31</b>
<b>3. Materials and Methods</b>	<b>32.....38</b>
<b>4. Results</b>	<b>39.....97</b>
<b>5. Discussion</b>	<b>98.....104</b>
<b>6. Summary</b>	<b>105.....109</b>
<b>7. References</b>	<b>110.....125</b>

<b>Table</b>	<b>List of tables</b>	<b>Page</b>
(1):	Experimental Design	32
(2):	Some Hematological Parameters (Means $\pm$ SE) in Examined Chicken Groups after 48 Hours	49
(3):	Some Hematological Parameters (Means $\pm$ SE) in Examined Chicken Groups after 96 Hours	50
(4):	Some Hematological Parameters (Means $\pm$ SE) in Examined Chicken Groups after 1 week.	51
(5):	Some Hematological Parameters (Means $\pm$ SE) in Examined Chicken Groups after 2 weeks	52
(6):	Some Hematological Parameters (Means $\pm$ SE) in Examined Chicken Groups after 3 weeks.	53
(7):	Some Serum biochemical Parameters (Means $\pm$ SE) in the Examined Chicken Groups after 48 Hours	54
(8):	Some Serum biochemical Parameters (Means $\pm$ SE) in the Examined Chicken Groups after 96 Hours.	55
(9):	Some Serum biochemical Parameters (Means $\pm$ SE) in the Examined Chicken Groups after 1 week	56
(10):	Some Serum biochemical Parameters (Means $\pm$ SE) in the Examined Chicken Groups after 2 weeks.	57
(11):	Some Serum biochemical Parameters (Means $\pm$ SE) in the Examined Chicken Groups after 3 weeks	58
(12):	Different body weights (Means $\pm$ SE) in the Examined Chicken Groups during 3 weeks	59

Figure	List of Figures	Page
(1):	The Mean Erythrocytic Counts $\times 10^6 / \mu\text{l}$ in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	60
(2):	The Mean Hemoglobin concentration (g/dl) in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	61
(3):	The Mean PCV% in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	62
(4):	The Mean Corpuscular Volume (fi) in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	63
(5):	The Mean Corpuscular hemoglobin (pg) in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	64
(6):	The Mean Corpuscular Hemoglobin Concentration % in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	65
(7):	The Mean Total Leucocytic Count $\times 10^3 / \mu\text{l}$ in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	66
(8):	The Mean thrombocytic Counts $\times 10 / \mu\text{l}$ in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	67
(9):	The Mean ALT Level U/L in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	68
(10):	The Mean AST Level U/L in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	69
(11):	The Mean AP Level IU/L in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	70
(12):	The Mean Total Serum Protein (mg/dl) in the different groups after 48hr, 96hr, 1w, 2w, and 3w post infection.	71
(13):	The Mean Serum Albumin (mg/dl) in the different	72