

**Table (2):** Some hematological parameters in different bird groups.

Group	Age	RBC 10 <sup>6</sup> /μL	Hb g/dl	PCV %	MCV fl	MCH Pg	MCHC %	TLC 10 <sup>3</sup> /μL	Hetero. 10 <sup>3</sup> /μL	Lymph 10 <sup>3</sup> /μL	Esino. 10 <sup>3</sup> /μL.	Mono. 10 <sup>3</sup> /μL
A	14 days	2.23 ± 0.13	8.61 ± 0.34	28.7 ± 1.06	128.70 ± 3.09	38.61 ± 1.45	30.00 ± 1.22	34.24 ± 1.12	10.40 ± 0.27	22.04 ± 0.44	0.33 ± 0.02	1.47 ± 0.04
B		**1.55 ± 0.09	**6.40 ± 0.35	*24.00 ± 1.32	*154.84 ± 7.74	41.29 ± 2.27	*26.67 ± 1.47	*41.30 ± 2.48	**15.80 ± 0.95	23.50 ± 1.41	0.28 ± 0.02	*1.72 ± 0.10
C		**1.68 ± 0.09	**6.55 ± 0.36	*24.80 ± 1.24	**147.62 ± 3.15	38.99 ± 1.95	*26.41 ± 1.06	**40.05 ± 1.99	**15.29 ± 0.76	22.58 ± 1.13	0.30 ± 0.02	**1.88 ± 0.09
D		2.28 ± 0.14	9.02 ± 0.54	28.40 ± 1.70	124.56 ± 5.61	39.56 ± 2.37	31.76 ± 1.27	34.86 ± 2.44	10.31 ± 0.67	22.83 ± 1.48	0.35 ± 0.02	1.37 ± 0.09
A	21 days	2.36 ± 0.11	8.71 ± 0.39	28.9 ± 1.30	122.46 ± 5.51	36.91 ± 1.66	30.14 ± 1.21	31.60 ± 1.42	8.88 ± 0.40	21.12 ± 0.95	0.45 ± 0.02	1.15 ± 0.05
B		**1.73 ± 0.10	**6.51 ± 0.36	*24.70 ± 1.11	*142.77 ± 6.42	37.63 ± 1.69	*26.36 ± 1.19	*39.30 ± 2.36	**16.43 ± 0.99	20.54 ± 1.23	0.51 ± 0.03	**1.82 ± 0.11
C		2.07 ± 0.11	8.16 ± 0.45	27.40 ± 1.37	132.37 ± 3.15	39.42 ± 1.97	29.78 ± 1.19	32.27 ± 1.61	9.64 ± 0.58	20.83 ± 1.25	0.52 ± 0.03	1.28 ± 0.08
D		2.35 ± 0.14	8.89 ± 0.53	29.00 ± 1.74	123.40 ± 4.32	37.83 ± 2.27	30.66 ± 1.23	30.95 ± 2.17	9.05 ± 0.54	20.19 ± 1.21	0.49 ± 0.03	1.22 ± 0.07
A	28 days	2.41 ± 0.11	8.60 ± 0.40	28.40 ± 1.31	117.84 ± 5.42	35.68 ± 1.64	30.28 ± 1.39	30.77 ± 1.42	8.92 ± 0.41	20.14 ± 0.93	0.46 ± 0.02	1.25 ± 0.06
B		*2.02 ± 0.12	*7.04 ± 0.42	*24.1 ± 1.45	119.31 ± 7.16	34.85 ± 2.09	29.21 ± 1.75	*36.60 ± 2.20	**14.66 ± 0.88	19.52 ± 1.17	0.44 ± 0.03	**1.98 ± 0.12
C		2.33 ± 0.13	8.20 ± 0.45	28.20 ± 1.41	121.03 ± 3.15	35.19 ± 1.76	29.08 ± 1.16	30.22 ± 1.51	8.56 ± 0.51	19.88 ± 1.19	0.47 ± 0.03	1.31 ± 0.08
D		2.46 ± 0.15	8.76 ± 0.53	28.8 ± 1.73	117.07 ± 4.10	35.61 ± 2.14	30.42 ± 1.22	30.83 ± 2.16	9.11 ± 0.55	20.00 ± 1.20	0.45 ± 0.03	1.27 ± 0.08

\* Significant (P&lt;0.05).

PCV : Packed Cell Volume.

MCH : Mean corpuscular hemoglobin.

MCHC: Mean corpuscular hemoglobin concentration

\*\* Highly significant (P&lt; 0.01).

Hb : Hemoglobin concentration.

TLC : Total leukocytic count

Lymph : Lymphocytes.

RBCs : Total erythrocytic count

MCV : Mean corpuscular volume.

Het. : Heterophils.

Eosin : Eosinophils.

Mono : Monocytes.

**Table (3):** Some biochemical parameters in different bird groups.

Group	Age	AST U/L	ALT U/L	ALP U/L	T.P. gm/dl	Alb. gm/dl	Glob. gm/dl	U.A. mg/dl	Creat. mg/dl
A	14 days	9.64 ± 0.43	8.70 ± 0.39	42.44 ± 1.91	3.94 ± 0.18	2.31 ± 0.10	1.63 ± 0.07	8.16 ± 0.37	1.53 ± 0.07
B		**15.95 ± 0.88	**13.83 ± 0.76	**69.33 ± 3.81	**3.09 0.15	**1.80 ± ± 0.10	**1.29 ± 0.07	**12.31 ± 0.74	**1.95 ± 0.12
C		**12.13 ± 0.67	**13.03 ± 0.72	**64.37 ± 3.22	*3.31 ± 0.17	*1.92 ± 0.10	*1.39 ± 0.07	*9.76 ± 0.49	*1.81 ± 0.09
D		*11.85 ± 0.71	*10.65 ± 0.64	*52.40 ± 3.14	*3.38 ± ± 0.15	*1.97 0.12	*1.41 ± 0.06	8.56 ± 0.60	1.62 ± 0.11
A	21 days	9.56 ± 0.48	8.53 ± 0.43	43.90 ± 2.20	4.14 ± 0.21	2.38 ± 0.12	1.76 ± 0.09	7.20 ± 0.32	1.42 ± 0.06
B		**18.34 ± 1.01	**15.96 ± 0.88	**75.56 ± 3.40	**2.86 ± 0.13	**1.53 ± 0.07	**1.33 ± 0.06	*9.02 ± 0.54	1.58 ± 0.09
C		*11.55 ± 0.64	*10.09 ± 0.55	*52.32 ± 2.62	3.75 ± 0.19	2.09 ± 0.10	1.66 ± 0.07	8.21 ± 0.41	1.55 ± 0.09
D		10.35 ± 0.62	8.69 ± 0.52	45.61 ± 2.74	3.83 ± 0.23	2.14 ± 0.13	1.69 ± 0.07	8.12 ± 0.57	1.57 ± 0.09
A	28 days	9.50 ± 0.44	8.51 ± 0.39	53.2 ± 2.45	4.20 ± 0.19	2.35 ± 0.11	1.85 ± 0.09	7.93 ± 0.36	1.36 ± 0.06
B		*10.86 ± 0.65	*11.38 ± 0.68	*71.15 ± 4.27	*3.43 ± 0.21	**1.88 ± 0.11	*1.55 ± 0.09	*9.86 ± 0.59	1.51 ± 0.09
C		9.41 ± 0.52	8.50 ± 0.47	51.69 ± 2.58	4.10 ± 0.21	2.29 ± 0.11	1.81 ± 0.09	8.13 ± 0.41	1.55 ± 0.09
D		2.46 ± 0.15	8.76 ± 0.53	28.8 ± 1.73	4.14 ± 0.14	2.31 ± 0.14	1.83 ± 0.07	7.88 ± 0.55	1.41 ± 0.08

* Significant (P<0.05). ALP: Alkaline phosphatase Creat. Creatinine	** Highly significant (P< 0.01). T.P.: Total serum protein. U.A.: Urinc acid.	AST: Aspartate aminotransferase Alb.: Albumin.	ALT: Alanine aminotransferase Glob: Globulins.
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