

Table (1): Serum levels of immunoglobulin G , A and hematological parameters

Variable	Mean \pm SD	Minimum	Maximum	25%	75%
Ig G mg/l	898.08 \pm 503	154	2509	512	1102
IgA mg/l	16.36 \pm 4.94	10	37	12.25	17.75
Platelets (10^9/L)	342 \pm 140	24	917	245	464
TLC (10^9/L)	10.97 \pm 2.69	8.5	18.3	9.67	12.73
Hemoglobin (g/dL)	12.569 \pm 2.6	3.2	17.7	10	14

IgG: immunoglobulin G, IgA : immunoglobulin A, TLC: total leucocyte count,

Table (2): Correlation between serum level of immunoglobulin G and clinical data

Ig G/Variable		N(%)	Median	25%	75%	Mean	SD	P- value
Maturity	Fullterm	11(21.6%)	925.5	716	1190.75	1027	447	0.001**
	Preterm	40(78.4%)	432	191	504	381.9	145.99	
Birth weight	AGA	22(43.1%)	502	389.75	1228	504.3	179.64	0.001**
	SGA	29(56.9%)	1045	893.5	614.75	1183.2	468.2	
Sepsis	Yes	28(54.09%)	1048.5	773.25	1129	2005	605.75	0.001**
	No	23(45.1%)	512	432	740	855	295.94	
Respiratory support	Yes	22(43.1%)	1070	758.75	1342	2319	354	0.001**
	No	29(56.9%)	665	461.5	881	1267	254	
Antibiotics	Yes	25(49%)	1095	854.5	1228	2009	438.87	0.001**
	No	26(51%)	539.5	441.75	763.25	661.8	455.68	
Feeding intolerance	Yes	17(33.3%)	453	248.5	539.5	1997	175.3	0.001**
	No	34(66.6%)	997.5	765.5	1220	583	473.68	
Inotropic drugs	Yes	34(66.6%)	980	755	1202.25	1997	477.19	0.001**
	NO	17(33.3%)	453	248.5	539.5	1040	257.96	

*0.05; significant, **0.001; highly significant

AGA: appropriate for gestational age, SGA: small for gestational age

Table (3): Correlation between serum level of immunoglobulin A and clinical data

Ig A/Variable		N (%)	Median	25%	75%	Mean	SD	P value
Maturity	Fullterm	11(21.6%)	18	15.75	18.25	16.12	5.44	0.30
	Preterm	40(78.4%)	15.5	12.25	17.75	17.3	1.7	
Birth weight	AGA	22(43.1%)	15	10	31	16.429	5.67	0.06
	SGA	29(56.9%)	16	10	37	16.3	4.42	
Sepsis	Yes	28(54.0%)	16.59	13	31	15.59	3.75	0.04*
	No	23(45.1%)	15	10	37	16.17	5.76	
Respiratory support	Yes	22(43.1%)	10	8	13	18	3.9	0.11
	No	29(56.9%)	16.5	7	31	27	5.7	
Antibiotics	Yes	25(49%)	16	12	28	16	3.39	0.20
	No	26(51%)	18	10	37	17	6.03	
Feeding intolerance	Yes	17(33.3%)	15.5	10	31	21	6.2	0.07
	No	34(66.6%)	16	10	37	27	4.31	
Inotropic drugs	Yes	34(66.6%)	16	10	37	16.55	5.64	0.08
	NO	17(33.3%)	16	11	22	15.9	3.02	

*0.05; significant, **0.001; highly significant

AGA: appropriate for gestational age, SGA: small for gestational age