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(45≤ - 20≥)

Flourescent (50)

Enzyme-Linked Antibody Test (IFAT)

.Latex Agglutination Test (LAT) Immunosurbent Assay (ELISA)

(LAT)

(%66) (33)

(%42) (%52) (IgG-ELISA)

.(%86.6) (LAT)

Efficiancy of Some Serological Test Used in Diagnosis of Toxoplasmosis Among Women in Child Bearing Age in Nenava Governorate

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ABSTRACT

In this study we compared the efficiency of some serological tests which used for diagnosis of Toxoplasmosis among women in child bearing age, there ages ranging

between (45≤-20≥) years in Nenava Governorate. Fifty serum samples were examined using the three serological tests Indirect Fluorescent Antibody Test (IFAT), Enzyme-Linked Immunosorbent Assay (ELISA) and Latex Agglutination Test (LAT).

The results shows that the LAT gives the highest positive number among all age group in this study, which reach (32) cases (66%) followed by IgG-ELISA (52%) and IFAT (42%). The results also shows that the LAT is more efficient in detection the infective pregnant women (86.6%).

Toxoplasma gondii

.(Mcleod and Remington, 2000) Toxoplasmosis

(AT) (Wilson and McAuley, 1999)

(IFAT) (IgG-ELISA)

.(Wilson et al., 1990)

(LAT)

(Polystyrene)

(Walls

.and Remington, 1983)

IgG-.(Wilson et al., 1990)

ELISA

.(Balsari et al., 1980; Lin et al., 1980)

IgG

.(Woodward, 1982)

(Benjamini et al., 2000)

.....

.(Remington et al., 2000)

LAT

IFAT IgG-ELISA

(50)

($45 \leq - 20 \geq$)

(IgG-ELISA)

(LAT)

(IFAT)

LAT

-1

(Toxo cell-

(Biokit-SA)

(Kit)

Latex)

:

Qualitative test

-

3 (0.05)

.(x10)

(Micropipette)

.(x10)

Quantitative test

-

3 (0.05)

IFAT

-2

	Bio merienx	
IgG IgM		Antigen Toxo.If
Olympus		Evan's

IgG-ELISA

-3

(Pavone-	Medic's-ELA	
	(IgG)	Torini)
Anti-IgG Peroxidase	Microtiter Plate	
	Chromogen	conjugated antibody
	Calbrators	

IgG-ELISA LAT IFAT (50)

(%66) 33 LAT	(%52) 26 IgG-ELISA	(%46) 23 IFAT
	(%42)	(21)

IFAT (25)

(64) IFAT (1)

LAT (1)	LAT IgG-ELISA IFAT
.IFAT IgG-ELISA	
	(24-20) (1)

(8) IFAT

LAT (9) IgG-ELISA

(12)

.....

(ANOVA) . (>20) . (39)
 (F=8.78) .
 .(0.05) 0.05 4.46<F
 3.84<F (F=39.3)

IFAT
 .(X1000)

IgG-ELISA IFAT

IgG-ELISA IFAT
 (1)

LAT IgG-ELISA IFAT

(%80) IgG-ELISA (%86.6)

(%70) IFAT

.(%7.7) IgG-ELISA (%8.7) IFAT (%21.2)

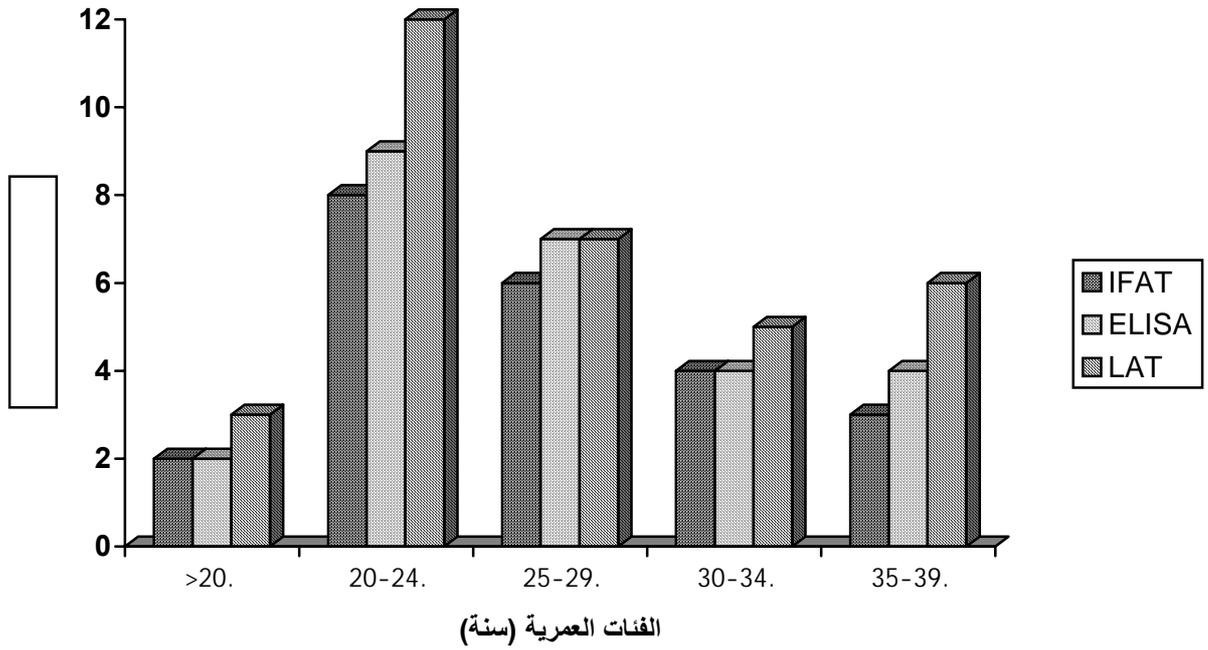
χ^2

.0.05

5.99

χ^2

2.2325



:1

.LAT IgG-ELISA IFAT

IFAT

:1

.LAT IgG-ELISA

IFAT			Total
%			
LAT	ELISA	IFAT	
26 (78.8)	24 (92.3)	21 (91.3)	30
7 (21.2)	2 (7.7)	2 (8.7)	20
33	26	23	
(86.6)	(80)	(70)	

(50)

(1)

IFAT IgG-ELISA LAT

LAT

.....

IgG-ELISA
 (%66) (33) LAT IFAT
 (%46) (%52) IgG-ELISA
 (1998) IFAT
 IFAT IgG-ELISA
 (%20) IgG-ELISA
 .(%16.5) IFAT
 LAT
 (Desmonts and Remington, 1980)
 IFAT IgG-ELISA LAT
 LAT (1988) Mazumder
 (Sulzer et al., 1971) IFAT
 .
 IgG-ELISA (1986) Pappas
 IFAT
 IFAT IgG-ELISA LAT
 LAT
 IgG- LAT (1)
 (%86.6) LAT IFAT ELISA
 IFAT (%80) IgG-ELISA
 (1996) Ryu (%70)
 ELISA LAT
 LAT

.1998

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