

In patients with severe histopathological changes (total villous atrophy or Marsh IIIC) about 90% of them were seropositive (~90%) for tTG, and such patients showed much

higher titers than others with milder histological changes, the difference was statistically significant. The same picture was shown with the antigliadin antibodies, table (3)

Table 3: Serological titers against severity of histopathological changes

Marsh III	N o.	tTG+v e	tT G tite r			
		No.	%	Mean±SD	Medi an	
A	16	6	37.5	9.69±10.54	4	P value: 0.000289 (significa nt)
B	13	3	23.1	7.31±11.39	3	
C	29	26	89.7	24.03±14.44	25	
Marsh III	N o.	IgA AGA+ ve	IgA AG A tite r			
		No.	%	Mean±SD	Medi an	
A	16	5	31.3	40.5±56.18	14.5	P value: 0.00045 (significa nt)
B	13	2	15.4	17.23±34.68	0	
C	29	22	75.9	75.45±75.16	68	
Marsh III	N o.	IgG AGA +ve	IgG AG A tite r			
		No.	%	Mean±SD	Medi an	
A	16	12	75	60.56±61.55	41.5	P value: 0.00246 (significa nt)
B	13	7	53.8	32.69±63.08	30	
C	29	26	89.7	100.35±61.93	98	

Giardiasis was diagnosed in 11 (out of the 93 studied cases), by demonstrating the parasite attached to

the mucosal surface of the biopsy, three of these patients showed histological changes (Marsh III A or