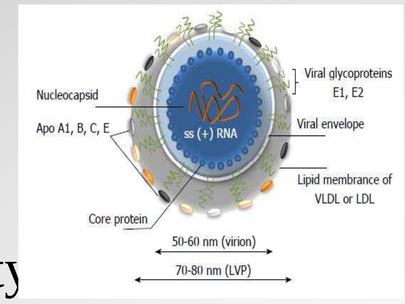
Coinfection of Cytomegalovirus (Immunogloblon M) Antibody in Anti-hepatitis C Virus Seropositive Cases at a Tertiary Care Hospital

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INTRODUCTION

Cytomegalovirus (CMV) infection enhances hepatitis C Virus (HCV) pathogenisis as it prevents the normal mechanisms which are responsible for HCV clearance , thus plays a key role in HCV persistence and pathogenicity



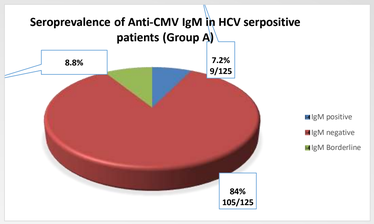
OBJECTIVE

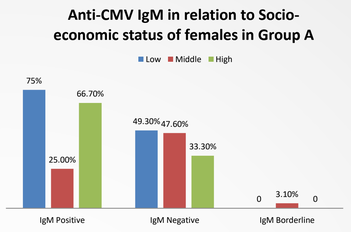
The study was undertaken to look for coinfection of CMV(IgM) in HCV positive cases in the hospital

MATERIAL AND METHODS

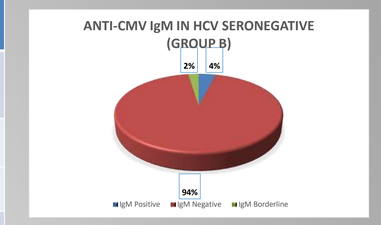
1. 250 Serum Samples (Age & Sex Matched)
2. Group A: 125 HCV Seropositive Samples
3. Group B: 125 HCV Seronegative Samples
4. Both the groups were tested for HCV antibody and anti-CMV IgM level

RESULTS





S.no	Anti-CMV IgM seropositive in Groups A &B		GROUP A n = 9 (7.2%)	GROUP B n = 5 (4%)	P value
1.	Age Groups	≥18 -40 years	4 (44.4%)	1 (20%)	0.4056 (NS)
		>40-60 years	4 (44.4%)	2 (40%)	
		>60-85 years	1 (11.2%)	2 (40%)	
2.	Gender	Male	5 (55.6%)	1 (20%)	0.1977 (NS)
		Female	4 (44.4%)	4 (80%)	
	Number of subjects positive for Anti-CMV IgM		n=9 (7.2%)	n=4 (5.7%)	
3.	Socio-economic status	Low	5 (55.6%)	2 (50%)	0.85 (NS)
		Middle	4 (44.4%)	2 (50%)	
		High	0	0	
4.	Residential status	Rural	7 (77.8%)	4 (100%)	0.71(NS)
		Semi urban	2 (22.2%)	0	
		Urban	0	0	
	Risk factors/ No risk factors present		n= 9 (7.7%)	n= 5 (4.09%)	
5.	Risk factor		4 (7.14%)	0	
6.	No risk factor		5 (100%)	5 (100)	



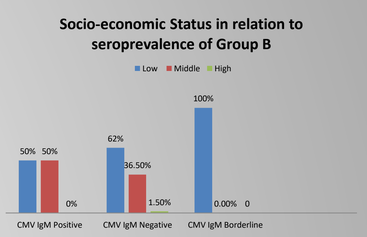
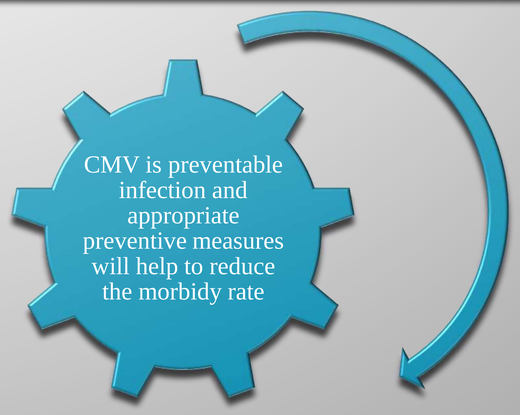


Table- Comparison of Anti- CMV IgM seropositivity in Group A and B

CONCLUSION

- A statistically significant association between CMV and HCV was observed
- CMV was commonly found in Subjects hailing from rural areas with low socio economic status

FUTURE DIRECTIONS





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