AIM: To assess Intelligence Quotient (IQ) in transfusion dependent ß-thalassemia major patients using Malin Intelligence Scale and to correlate verbal IQ, performance IQ and full scale IQ with serum ferritin levels and annual blood transfusion requirements

SUBJECTS	ASSESSMENT	RESULTS				
Transfusion	IQ was	Correlation of Verbal, Performance & Full Scale IQ with Parameters				There was
dependent ß- thalassemia major children	assessed using Malin Intelligence Scale (MISIC)	Parameters	Verbal	Performance	Full scale	significant negative correlation of serum ferritin with object assembly component of PIQ and annual blood requirement with
		Age at diagnosis	0.130	-0.273ª	-0.068	
aged 6 years to 15		Pre-transfusion Hb	0.192	0.280 <sup>a</sup>	<b>0.274</b> <sup>a</sup>	
years 11 months.	, , , , , , , , , , , , , , , , , , ,	No. of blood transfusions	-0.077	-0.086	-0.090	
( <i>N</i> =100)		Annual blood requirement	-0.174	-0.084	-0.151	
		Serum ferritin level	-0.078	-0.184	-0.141	general
Mean full scale IQ = 95.96 ±7.23. ('average' in most patients)						comprehension component of VIQ

Conclusion: IQ correlates with age at diagnosis and average annual pretransfusion haemoglobin, highlighting the importance of early diagnosis and maintenance of satisfactory hemoglobin levels.

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