



**TITLE:UNMASKING A RARE AND TREATABLE
CAUSE OF STATUS EPILEPTICUS IN A SCHOOL
GOING CHILD**

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• **AIMS**

- To identify, investigate and describe a rare ,reversible and a treatable cause of status epilepticus in a school going child , with a focus on early diagnosis ,treatment options and potential outcomes.

• **MATERIALS AND METHOD**

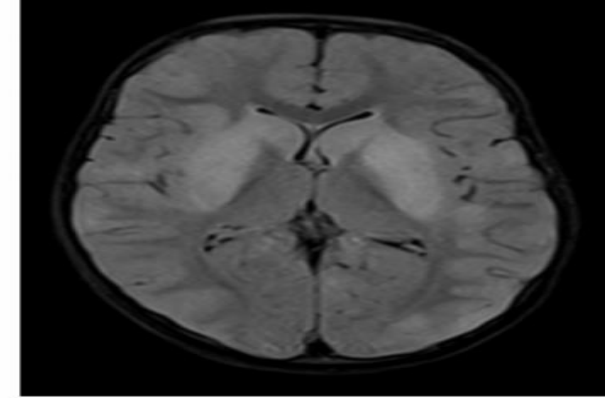
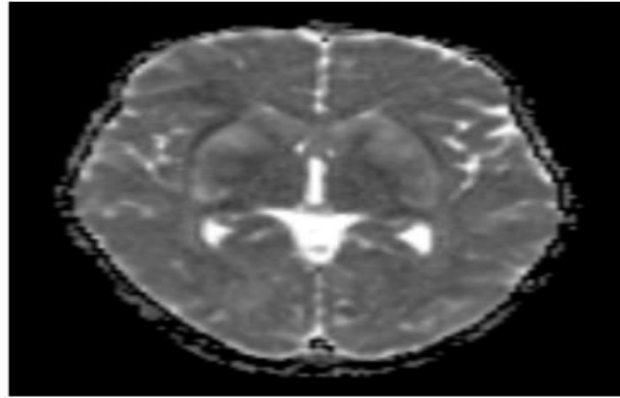
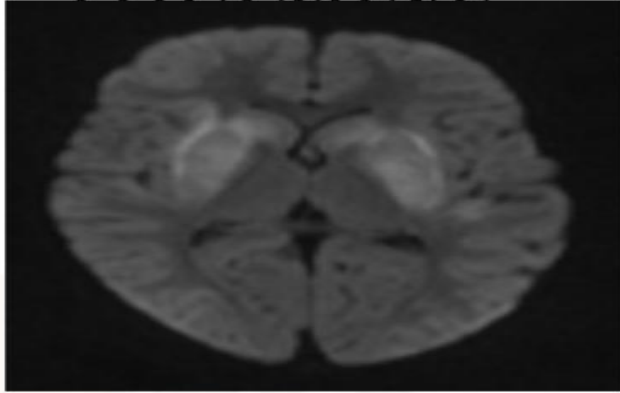
- A 3 years old girl presented with high grade fever (3days) and with multiple episodes (8to 9 episodes of GTCS) over 1 day . Examination revealed negative meningeal signs .Antipyretics , Anticonvulsants and Antibiotics were administered . MRI BRAIN and EEG were done .

• **RESULTS**

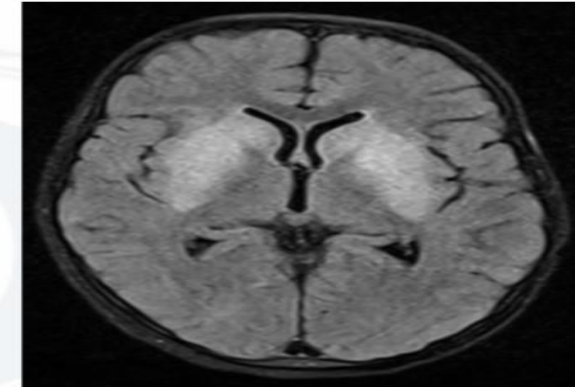
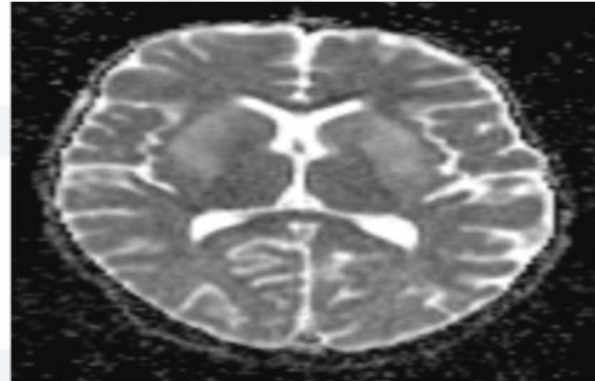
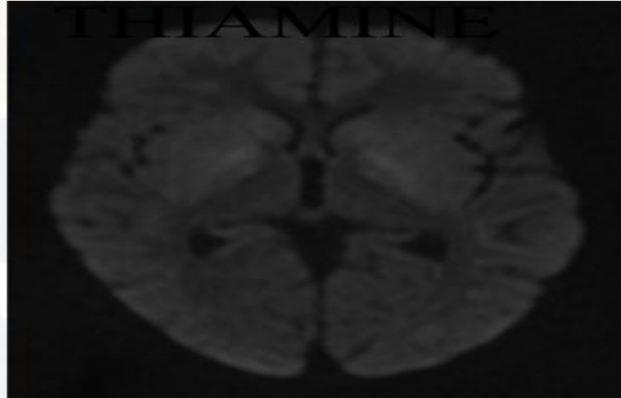
MRI BRAIN suggestive of symmetrically increased T2 signal intensity in bilateral caudate heads with partial involvement of the putamen and sparing of globus pallidus .EEG suggestive of active epileptiform discharges.

Suspecting (BIOTIN THIAMINE RESPONSIVE BASAL GANGLIA DISEASE) BTBGD, patient got treated with biotin and thiamine supplementations and condition of the patient improved within two days with resolving seizures clinically and in repeated EEG

MRI BRAIN : BEFORE GIVING BIOTIN & THIAMINE



MRI BRAIN : AFTER GIVING BIOTIN & THIAMINE



CONCLUSION

BTBBD should be considered in children with bilateral basal ganglia involvement on imaging ,especially after febrile illness .Early diagnosis and treatment with biotin and thiamine can completely reverse the symptoms of this reversible nutritional encephalopathy.