

MEDICAL QUIZ

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Thirty-one year old patient was admitted to the hospital with complaints of vomiting of one week duration. There was no associated diarrhea, fever, headache or dysuria. He was not known alcoholic, diabetic or hypertensive. The patient was extensively investigated for complaints of severe vomiting a year ago in another country. He had gastroscopy, MRI of brain, etc and probably diagnosed to have duodenitis but this could not be substantiated by any previous reports. On examination, the patient was found to be febrile, dehydrated and pale. Neurological examination showed cerebellar signs, and lateral rectal palsy of the left eye with horizontal nystagmus. There was mild epigastric tenderness but no organomegaly. Examination of other systems was normal. Blood investigations were normal except for low hemoglobin [8g/dl].

The patient underwent MRI of the brain, which showed characteristic abnormalities on T2 and FLAIR images. Representative images of his MRI study are shown below.



Fig. 1. Axial T2 image at the level of fourth mid brain and mamillary bodies.



Fig. 2 Axial FLAIR image at level of the ventricle.



Fig. 3. Axial FLAIR image at level of thalami.

Q. What is the salient finding? What is your diagnosis?