IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)
e-ISSN: 2279-0853, p-ISSN: 2279-0861.Volume 24, Issue 6 Ser. 3 (June. 2025), PP 56
www.iosrjournals.org

Exploring A Case Of Atypical Neuropsychiatric Presentation Of Wilson's Disease

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Abstract:
Aim and Objectives:
To explore a case report detailing an instance of of Wilson's Disease with unusual presentation.
Methods:
A case report was made utilizing patient's history, clinical assessment and laboratory tests. A tailored management strategy was devised to address Wilson's Disease cases with unusual features.
Case description:
An 11-year-old female with no known past psychiatric history presented to Psychiatry OPD exhibiting symptoms of involuntary protrusion of tongue, deterioration in scholastic performance, abnormal behaviour and abnormal movement of her hands over 6 months. Mental Status Examinations revealed conscious, disoriented, confused, increased psychomotor activity and incoherent speech. There was frequent protrusion of tongue and wing beating tremors observed during the examination. Her routine investigations including Liver Function Test, ultrasonography of whole abdomen, serum copper as well as ceruloplasmin and urine examination for copper level were done. The reports revealed increased liver enzymes, decreased copper and ceruloplasmin levels in serum, increased copper levels in urine and chronic hepatic parenchymal disease/cirrhosis. Ophthalmology opinion was also taken and Klayser-Fleischer (KF) ring was found in both eyes.
Results:
She was diagnosed as Wilson's Disease and supportive treatment with penicillamine was started. Her parents were counselled regarding the disease and its prognosis. Then she was referred to Neurology for further management.
Conclusion:
Atypical neuropsychiatric symptoms in children should prompt evaluation for Wilson's Disease. Early diagnosis and intervention through a multidisciplinary approach are key to improving outcomes and preventing long-term complications.
Key Words: *Wilson's Disease*

Date of Submission: 27-05-2025 Date of Acceptance: 07-06-2025
