

A Case report of anti-NMDA receptor encephalitis in a 12-year-old male: a challenging case in Tanzania.

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INTRODUCTION

Anti-N-methyl-D-aspartate receptor the most encephalitis is encephalitis common globally. Diagnosis of this condition is often rare in low- and countries due to unavailability costs of the immunological tests.

MAIN OBJECTIVE

To describe the case of anti-NMDAR consciousness encephalitis in a 12-year-old male child.

HISTORY

male admitted to the paediatric neurology unit following the onset of acute confusion abnormal and behaviors. This was preceded by a history of afebrile focal clonic seizures 2 weeks before the onset of the confusion. He later developed facial cognitive therapy dyskinesia, motor and with regression deterioration the of level which intubation with ventilatory support.

RESULTS

He was screened for acute infectious conditions common in Tanzania, Malaria, Meningitis, Tuberculosis and HIV which were all negative. The Cerebrospinal fluid assessment (CSF) showed elevated protein 8g/dl with a normal cell count.

RESULTS ...

We report the case of a 12-year-old The serum and CSF auto-antibody screen showed NMDA-R Antibody positive, AMPA GLUR1 and 2, CASPR, LGTIR and GABA-B receptors they were all negative. The Brain MRI was normal and the EEG at presentation were normal. He received sequential treatment of immune modulation with Intravenous subsequent Immunoglobulin Methyl and prednisolone with slight improvement necessitated of his symptoms. He subsequently received 2 phases of Plasmapheresis and four cycles of Rituximab. The condition subsequently patient's improved 4 months after presentation is fully ambulant and speaking in short sentences. He continues with his rehabilitation.

., AUTO ENCEPHALOPATHY Requested: **IMMUNOLOGY**

> NMDA Ab

> AMPA Ab GLUR1

> AMPA Ab GLUR2

> CASPR2 Ab

> LGI1 Ab > GABA (B) R Ab Negative Negative Negative Negative Negative

POSITIVE 1:1000

CONCLUSIONS

Anti-NMDAR can be managed with a favorable outcome in low-and-middle income countries with early clinical suspicion and availability of resources.

REFERENCES

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