



A Case of rapidly progressive sporadic Creutzfeldt-Jakob Disease

Authors

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Abstract

Creutzfeldt-Jakob disease (CJD) is a rare fatal rapidly progressive dementing disorder. The estimated annual incidence was 0.5 to 1.5 million populations. The illness is relentlessly progressive and generally causes death within 9 months of onset. Most CJD patients presents between 60 and 75 years of age. Here by we report a case of sporadic Creutzfeldt-Jakob disease presenting as rapidly progressive neurodegenerative disorder.

Keywords: *Creutzfeldt-Jakob, Prion, Delta activity.*

Introduction

Creutzfeldt - Jakob disease (CJD) is a rare fatal rapidly progressive dementing disorder. Early symptoms include memory problems, behavioural changes, poor coordination, and visual disturbances. It was first described in the year 1920. The estimated annual incidence was 0.5 to 1.5 million populations. The illness is relentlessly progressive and generally causes death within 9 months of onset. Most CJD patients presents between 60 and 75 years of age.

Here by we report a case of sporadic Creutzfeldt-Jakob disease presenting as rapidly progressive neurodegenerative disorder.

Case Report

A 49-year-old lady who is an alcoholic vendor by occupation presented with asthenia for 2 months, right upper limb dystonia and slowness in daily activities for 1-1/2 month. She had memory and speech disturbances and loss of comprehension for

20 days. She had Chorea for 15 days and myoclonic jerks for 4 days prior to presentation to hospital. On examination, patient had axial and limb rigidity, all deep tendon reflexes are brisk and limb ataxia present.

Investigations

Diagnosis involves ruling out other potential causes. Routine blood investigations are within normal limits

CSF analysis shows TC-5 cells/mm, DC- 100% lymphocytes, Protein-18mg/dl, Sugar-74mg/dl, ADA- Negative.

Fungal stain, Gram stain, Bacterial culture are Negative.

TPO antibodies -12.8 IU/ml.

MRI brain shows cortical ribboning prominent at occipital cortex.

EEG shows diffuse slowing with delta activity.

a) 14-3-3 protein dot blot

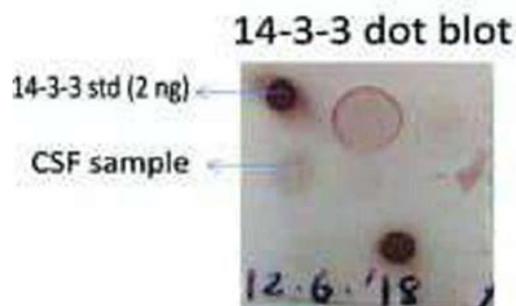


Fig. 1 CSF 14-3-3 protein dot blot

b) MRI Brain



Fig. 2 DW MRI image

c) EEG



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