

9/29/20 Morning Report with @CPSolvers

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<p>CC: Change in behaviour + memory loss.</p>	<p>Vitals: T: HR: BP: RR:31 SpO₂: 92% intubated Exam:</p>	<p>Problem Representation: 66yM w/ PMHx of ischemic stroke presented w/ behaviour changes and memory loss which rapidly deteriorated to unresponsiveness, hemiparesia, seizures and akinetic mutism. PL positive for 14-3-3 protein with atrophic changes and hyperintense lesions in MRI ultimately made diagnosis of sporadic CJD.</p>
<p>HPI: 66yM who presented in outpatient clinic concerned about change in behaviour + memory loss for 1 month that had gotten worse. Episode catalogued as “stress” and patient was discharged. Went to Europe w/family. Here he continues w/ the same complaints and develops a R sided hemiparesis that resolved in <24h. Next day he had LOC. During episode he aspirated secretions. developed pneumonia and had to be intubated.</p>	<p>Gen: Bad shape. Pale. HEENT: Pupils isocoric and hyporeactive to light. Neuro: Stuporous w/ fentanyl drip. L upper limbs hemiparesia. Could localize pain. Reflexes normal. → L upper and lower limbs Hemiparesia → 5th day bilateral myoclonus persistent and unresponsive to meds, Babinski +, GCS 11 off sedation, almost unresponsive to commands. Akinetic mutism.</p> <p>Later developed tonic-clonic seizure with eye deviated to R side. Respiratory distress and had to be intubated. Babinski +</p>	<p>Teaching Points (Andrea):</p>
<p>In Lima, he developed apraxia, aphasia and was stuporous and was intubated.</p>	<p>Notable Labs & Imaging: EEG:Inconstant brain activity. Diffuse encephalopathic response w/no paroxistic activity. Generalized sharp waves prominent over frontal region w/ocasional lateralization R side and w/background of delta and theta waves.</p>	<ul style="list-style-type: none"> • Mnemonics for causes VITAMINS ABCDEK :Vascular, Infective, Trauma, Autoimmune, Allergy, Metabolic, Idiopathic, Iatrogenic, Neoplasia, Social, Alcohol, Behavioral, Congenital, Degenerative, Drug, Endocrine or Exocrine, Karyotype • Change in behaviour can be language problem, memory loss (short memory is frontal), • Encephalitis -Days: infection, encephalitis,autoimmune, NMDA -MONTHS: mass GBM, meningioma, autoimmune, -More chronic: dementia. Frontotemporal dementia, chronic, • Progressive Vascular Dementia: not always stepwise declining • Up to one-third of patients treated with metformin can experience decreased vitamin B12 absorption from the gut, which, with time, can result in lowering of the blood level of this vitamin • Hashimoto encephalopathy: Subacute onset of confusion with altered level of consciousness, seizures, and myoclonus. Immune-mediated disorder • Rapid progressive vascular dementia: stroke after stroke, lymphoma., AF, endocarditis • Generalized+focal+seizures: Cerebral amyloid angiopathy-related inflammation • Creutzfeldt-Jakob disease (CJD): Neurodegenerative disorder most commonly presenting with rapidly progressive dementia and neurological signs and symptoms, with death usually occurring within 1-2 years of symptom onset. The most common human prion disease and is a type of transmissible spongiform encephalopathy (TSE). Caused by a conformational change of normal cellular prion protein (PrPC) to a pathogenic isoform (PrPSc).CJD is the most common human prion disease and is a type of transmissible spongiform encephalopathy (TSE). You can see everything in this disease. For Dx CSF real-time quaking-induced conversion (RT-QuIC)
<p>PMH: DM Ischemic stroke previous year.</p> <p>Meds: Metformin</p>	<p>Fam Hx: NA Soc Hx: NA</p> <p>Health-Related Behaviors: Past smoker. Quit after stroke last year.</p> <p>Allergies: NA</p>	<p>MRI -Flair: Hyperintensity in head of both caudate nucleus on medial and lateral side of frontal cortex. Old ischemic lesion in internal capsule.</p> <p>LP: Positive for 14-3-3 protein - suspicious for CJD. (After 30d) 2nd MRI Flair: Compensatory dilation of ventricular system secondary to cortical atrophy and hyperintensity of insular and frontal cortex.</p> <p>Final DX: CJD. Patient passed away after 21 mo.</p>