



11/10/20 Morning Report with @CPSolvers



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<p>CC: female with weakness</p> <p>HPI: 45F presented to the clinic. First complained <u>1y ago</u> of severe back pain after lifting a heavy object. <u>Pain subsided for a few weeks</u>, but then pt started having weakness in R hand and L leg. <u>After a few months</u>, weakness in L hand and R leg. At clinic, pt could not walk and could not move hands- severe generalized weakness.</p>		<p>Vitals: T: HR: BP: RR: SpO₂: all nl</p> <p>Exam:</p> <p>Gen: pt w/ really soft voice, whisper (2 wk ago)</p> <p>HEENT: nl CV: nl Pulm: nl</p> <p>Abd: nl</p> <p>Neuro: brought in on wheelchair, could not stand up. Atrophy of almost all muscle groups below the neck, w/ diffuse weakness. Atrophic trapezius. Could not move hands against gravity b/l; 2/5 weakness. Unable to move legs. Diminished reflexes. Sensory- nl. Remaining CN nl. Babinski neg. Hoffman neg. No fasciculations.</p> <p>Extremities/Skin: No rash</p>	<p>Problem Representation: 45 F with chronic progressive weakness with exam notable for contralateral weakness in limbs, bulbar Sx and diminished reflexes with clinical Dx as ALS; MRI/EMG pending.</p>
<p>PMH: none</p>	<p>Fam Hx: none</p>	<p>Notable Labs & Imaging:</p> <p>Imaging: MRI/EMG: pending</p> <p>Final Dx: ALS</p>	<p>Teaching Points (Maria): #EndNeurophobia</p> <ul style="list-style-type: none"> ● E=MC2 <ul style="list-style-type: none"> - <u>Localization (weakness):</u> Neurology vs Non Neurology <ul style="list-style-type: none"> - Motor pathway: <ul style="list-style-type: none"> - Upper motor neuron: CNS: cortex → IC → corticospinal tract + brainstem → spinal cord. Exam: Babinsky, Hoffman - Lower motor neuron: PNS: peripheral nerves + muscle). Exam: Fasciculations, diminished DTR, atrophy. - Symmetric, bilateral: spinal cord and below. Asymmetric w/ cortex functions or cranial nerves: brainstem and above. - Urinary and fecal incontinence: spinal cord - Muscle: atrophy, weakness and preserving DTR. - <u>Time Course:</u> <ul style="list-style-type: none"> - Recurrence and relapse + focal deficits in young: MS. Illness script: MC relapse and remitting: resolution of symptoms w/ residual deficits. Other forms can be progressive (primary and secondary). - Triggers: don't get hooked on them. Correlation ≠ Causation - <u>Sequential Progressive Limb to Limb Lesions:</u> ALS (UMN and LMN) (Bulbar atrophy: brainstem - lower cranial nerves - swallowing, speech, tongue); Mononeuropathy multiplex (motor and sensory nerve lesions spaced out in time); Multifocal Motor Neuropathy (Pure Motor - CIDP) <ul style="list-style-type: none"> ● Other weakness pearls: Fatigability → Myasthenia Gravis. Proximal → Myositis (but some syndromes are distal). ● Soft voice: Worrisome for respiratory distress. Bulbar CN: 9,10. ● EMG: Evaluates peripheral nerves. Axonal damage → ALS, DM, B12.. Demyelinating → GBS, CIDP. Classic: UMN + LMN signs, bulbar affection and fasciculations. ● ALS: 90% sporadic, 10% - SAD1 mutation. ● Everybody can have a stroke: Different risk factors in different population groups. Male: CV, Premenopausal women: OCP, Postmenopausal: CV.
<p>Meds: none</p>	<p>Soc Hx: housewife, no recent exposures</p> <p>Health-Related Behaviors: No EtOH, no tobacco</p> <p>Allergies: none</p>		