The Silence of Neurosyphilis
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Introduction
Meningosyphilis is an uncommon cause of stroke in the post-antibiotic era and is considered a disease of the past. With the advent of antibiotics, it is rarely encountered. We present a case of late-stage syphilis infection.

Case
A 54-year-old African-American male presented with bilateral pedal frostbite after a snow storm. He demonstrated loss of sensation in his lower extremities. He was confused and dysphasic and was unable to articulate his history coherently but did endorse abdominal pain, nausea and vomiting. Initial CT scanning of the head could not rule out a subacute infarct versus abscess in the left posterolateral temporal lobe. A comprehensive workup was unrevealing except for positive serum and CSF VDRL. Tabes dorsalis was suspected.

Tabes dorsalis
• 20 years post-infection
• Dorsal columns and dorsal roots affected
• Sensory abnormalities and/or lancinating pains affecting the face, back or limbs
• Paresthesias, absent lower extremity reflexes, depressed vibratory and position sensation, attenuated touch and pain
• Gastric crises which manifest as recurrent nausea, vomiting with severe epigastric pain
• Argyll-Robertson pupil is one of the most common presenting signs in tabes dorsalis but our patient did not display this manifestation

Right foot gangrene.

(LEFT) T2 Flair demonstrates high signal in the left temporal parietal region and (MIDDLE) the diffusion study reveals that the high signal on T2 Flair is due to cytotoxic edema. (RIGHT) Abnormal geographic region of decreased attenuation left parietal frontal lobe. This may be reflective of an area of acute-to-subacute non-hemorrhagic infarct.

References

Patient Follow Up
The patient underwent bilateral toe amputations and numerous debridement procedures and was placed in a nursing home for physical rehabilitation.

Discussion
Neurosyphilis is a known cause of central nervous system vasculitis with the potential for stroke. In patients who present with symptoms suggestive of a stroke, syphilis should always be considered in the differential diagnosis. Tabes dorsalis typically manifests with sensory deficits in the lower extremities and with gastric crises, both of which were present in our patient. Diagnosis of neurosyphilis is made with a CSF-VDRL. A negative serum VDRL or RPR does not rule out CNS manifestations. Treatment for neurosyphilis, including tabes dorsalis, is 18-24 million units Penicillin G infused daily for two weeks.

Early Neurosyphilis Symptoms and Complications
• Meningismus
• Altered mental status or confusion
• Audiovisual impairments
• Stroke
• Seizures

Late Neurosyphilis Complications
• Stroke
• General paresis
• Tabes dorsalis