

A 69-year-old woman with choreoathetosis

Teaching Video NeuroImages

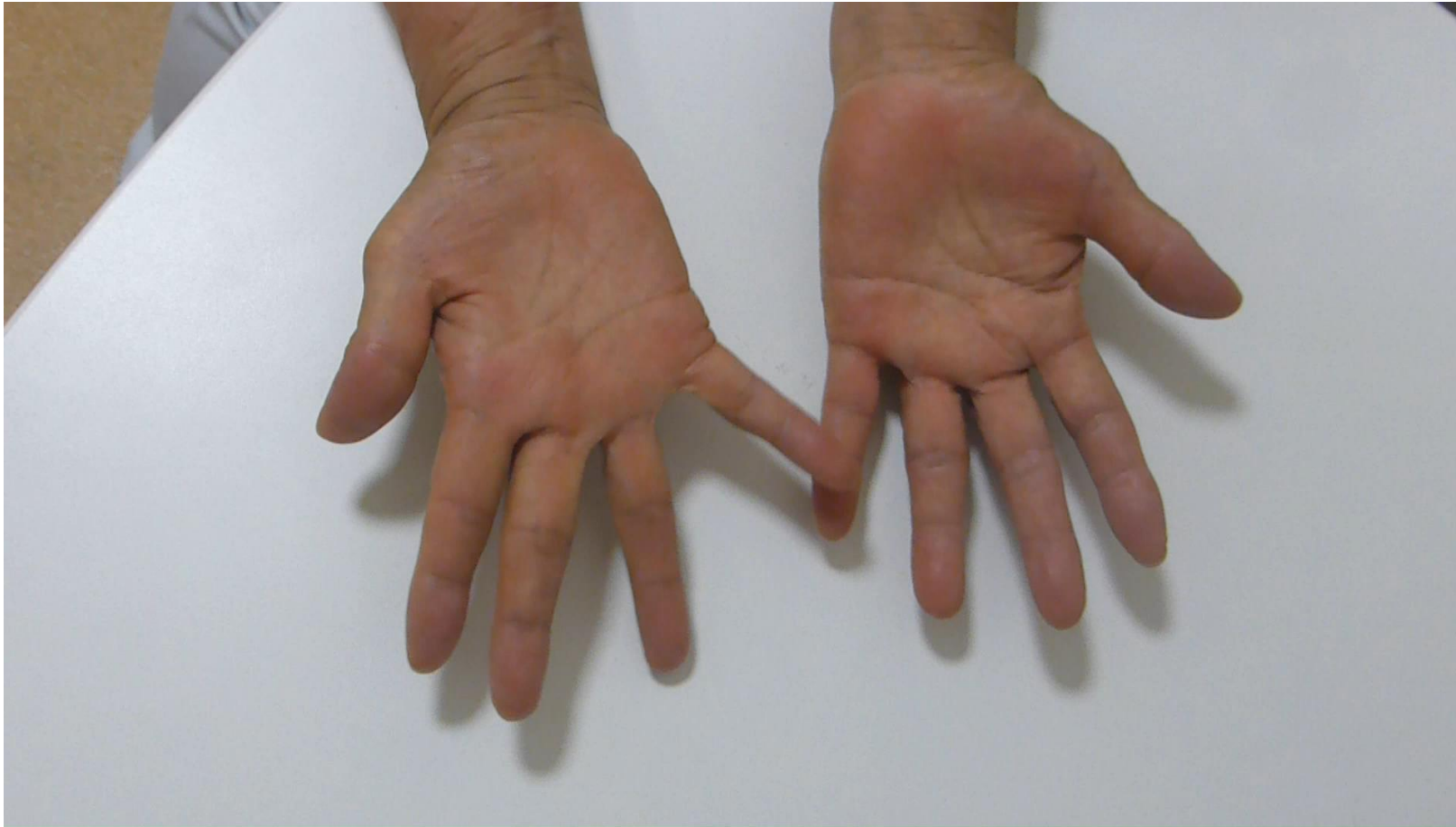
Neurology[®]

Resident & Fellow Section

Vignette

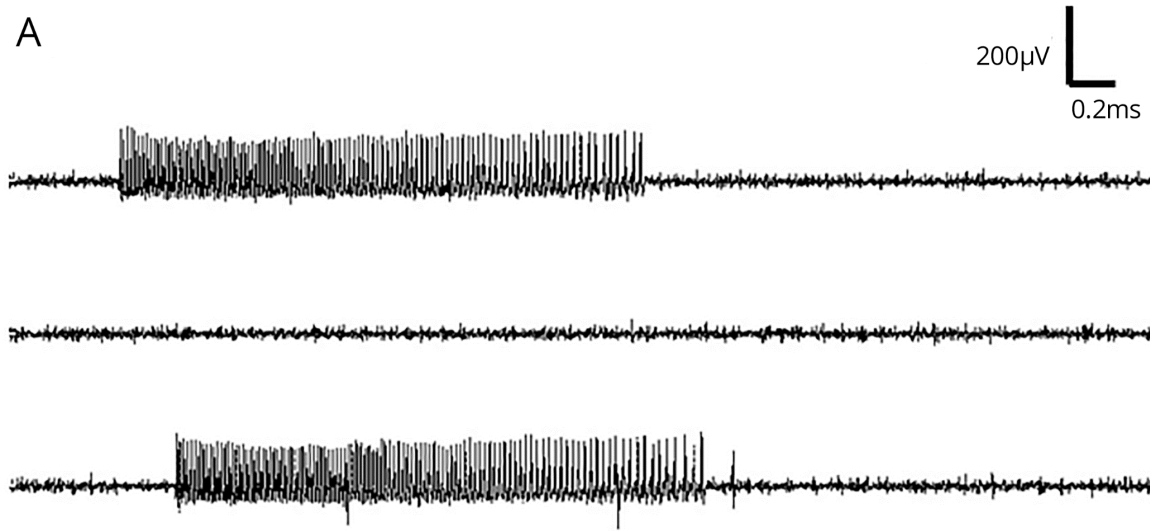
- 69-year-old woman
- Underwent surgery and radiation for right breast cancer at age 50
- Suffering from choreoathetosis and pain in her right hand
- EMG revealed diffuse myokymic discharges in her right arm
 - Negative anti-Hu/Yo/Ri autoantibodies
 - Normal brain and cervical MRI
 - Normal uptake of right arm and bilateral basal ganglia in FDG-PET

Video

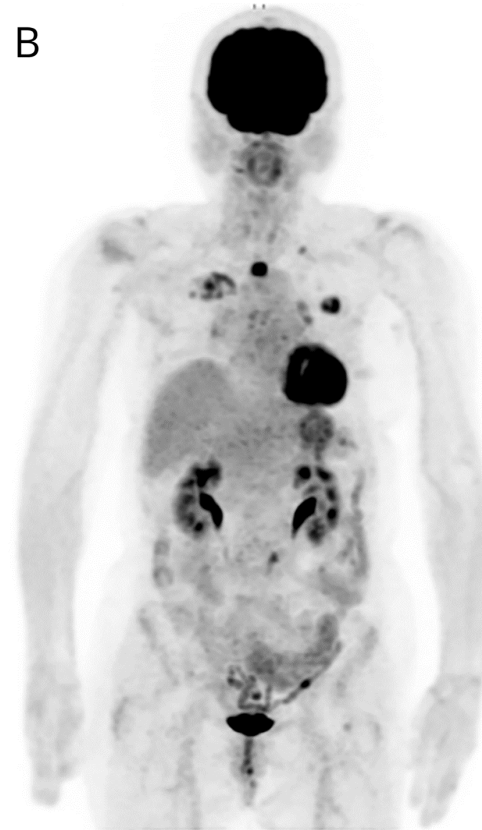


Imaging

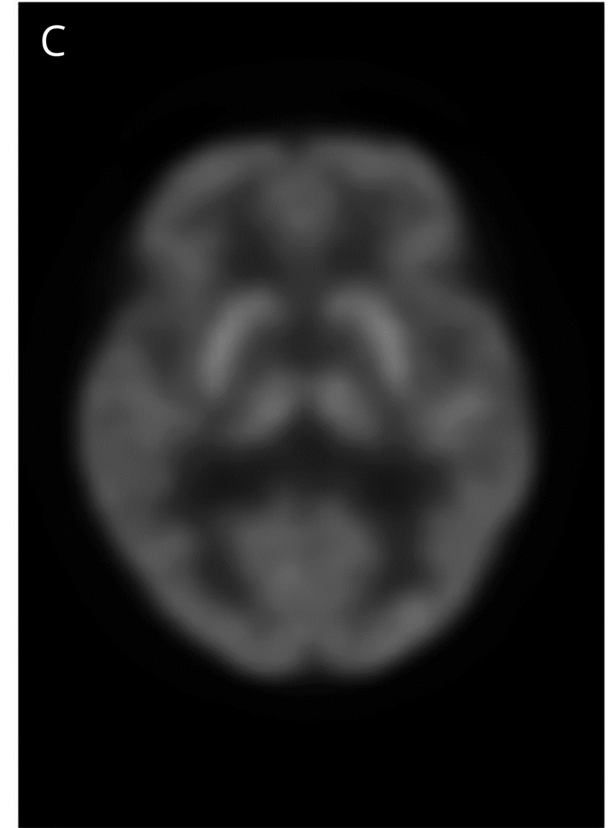
A



B



C



Painful arm and moving fingers

- Radiation-induced plexopathy can cause choreoathetosis through pronounced myokymia of a broad range of muscles, which was named “painful arm and moving fingers” (1).
- Ectopic impulses are considered to be generated from irradiated dorsal roots and to be transmitted to motoneurons via spinal interneurons (2).