

### Case Scenario 3: Neuroradiology

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CC: "My arm"

HPI: 45 year old man, with a history of HIV, woke up this morning at 9:00, and fell over trying to get out of bed to go to the bathroom. He cannot walk. He also feels that he is having difficulty with his speech, which is slurred. His roommates called 911 because they could not understand him, and the patient presents to the emergency room.

PMH: HIV, well controlled, CD4 count > 500; otherwise healthy.

Past surgical history: Left knee surgery.

Medications: efavirenz/emtricitabine/tenofovir (Atripla)

Allergies: None known.

FH: No family history of DM, HTN, or CVA.

SH: Employed, single, avid weight lifter, denies alcohol, tobacco, or recreational drug use.

ROS: **Constitutional:** No fever, no chills, no sweats.

**Eye:** Double vision, no additional recent visual problem.

**Ear/Nose/Mouth/Throat:** No decreased hearing.

**Respiratory:** No shortness of breath.

**Cardiovascular:** No palpitations.

**Gastrointestinal:** No nausea, no vomiting.

**Genitourinary:** No dysuria, no hematuria.

**Hematology/Lymphatics:** No bruising tendency.

**Musculoskeletal:** No back pain.

**Integumentary:** No rash.

**Psychiatric:** No anxiety, no depression.

**Neurologic:** No confusion.

**PHYSICAL EXAM:**

**Vital Signs:** Temp 36.7, BP 133/76, HR 86, RR 18, SPO2 98%

**General:** Alert and oriented. Skin warm, dry, and pink.

**HENT:** Normocephalic, atraumatic.

**Neck:** Supple, no tenderness. No lymphadenopathy. No bruits or JVD.

**Respiratory:** Clear to auscultation bilaterally. No chest wall tenderness. Symmetrical chest wall expansion.

**Cardiovascular:** Regular rate, normal rhythm. No murmur, no edema. 2+ pulses.

**Gastrointestinal:** Soft, non-tender.

**Neurologic:**

**MS:** AAOx4, dysarthric, has difficulty with naming, repetition and following commands.

**CN:** PERRL, left gaze preference, right visual field deficit, light touch/pin prick sensation decreased on the right compared with the left face, otherwise intact bilaterally, facial nerve intact, hearing intact to voice, moderate dysarthria, normal gag and decreased elevation of the palate, tongue midline.

**MOTOR:** 1/5 weakness of the right upper and lower extremities. Normal bulk and tone of the left upper and lower extremities.

**SENSORY:** Loss of pain/temperature sensation right hemibody.

**COORD:** Normal coordination on the left upper and lower extremity Unable to test on the right upper and lower extremity.

**REFLEXES:** 2+ throughout, toes downgoing bilaterally.

**GAIT:** Unable to test.