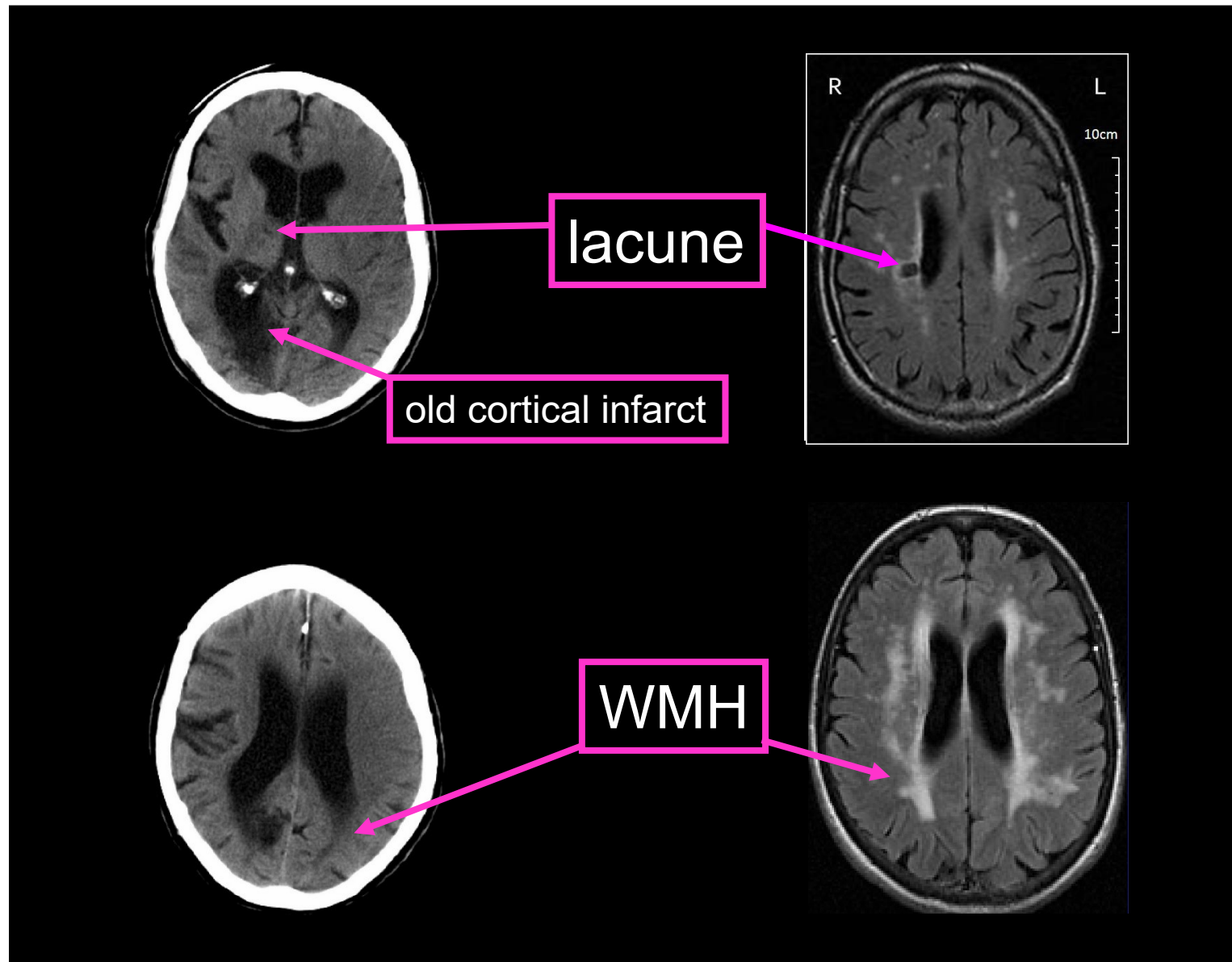# Chronic Small Vessel Disease (SVD) imaging features and SVD score

Part C - CT
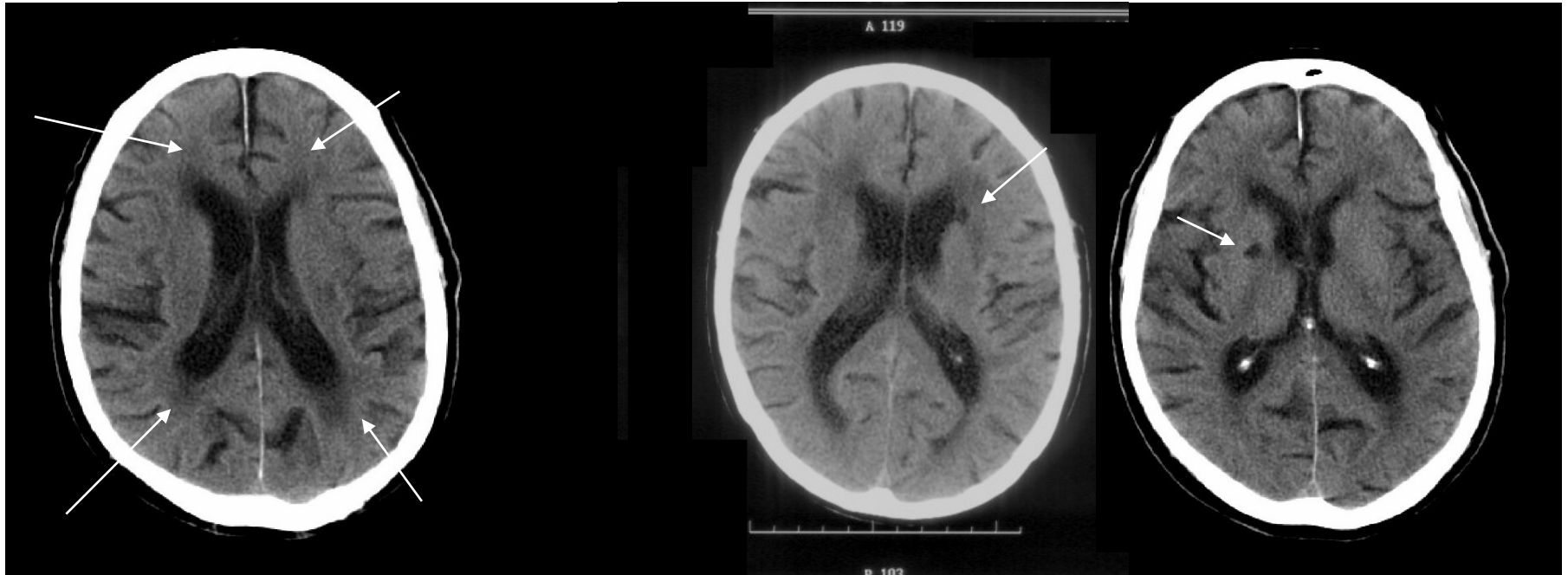
SVD Features also visible on CT

SVD Features on CT

White matter hypoattenuation
('leukoaraiosis')

Lacune

SVD score:

Moderate or severe ie
Fazekas either:
Deep ≥2 = 1 point
 P-V   3 = 1 point

≥1 = 1 point

CT scanning

Only rate:

- White Matter Hypoattenuation ('leukoaraiosis')
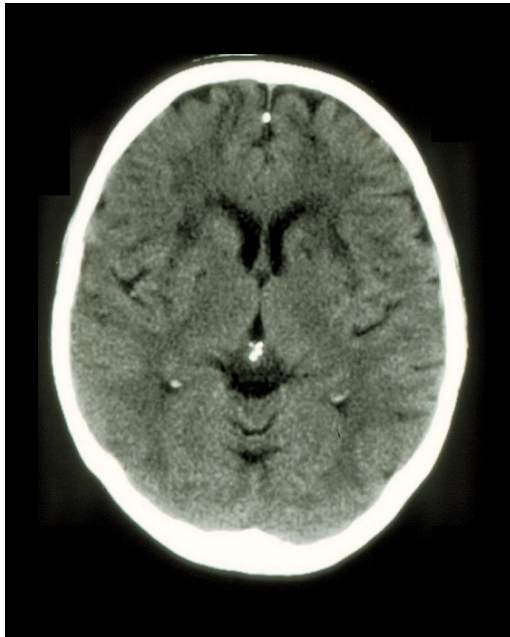- Lacunes

SVD score points:

1 point for ≥ 1 Lacune

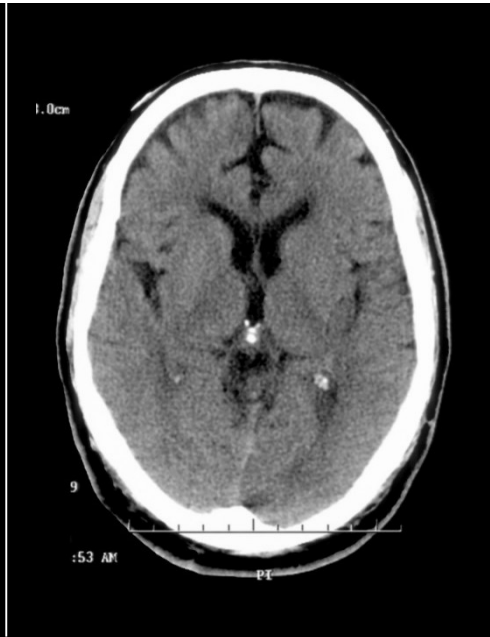1 point for WMH = Fazekas 3 in periventricular region and ≥2 in deep white matter.

Total SVD score = 2

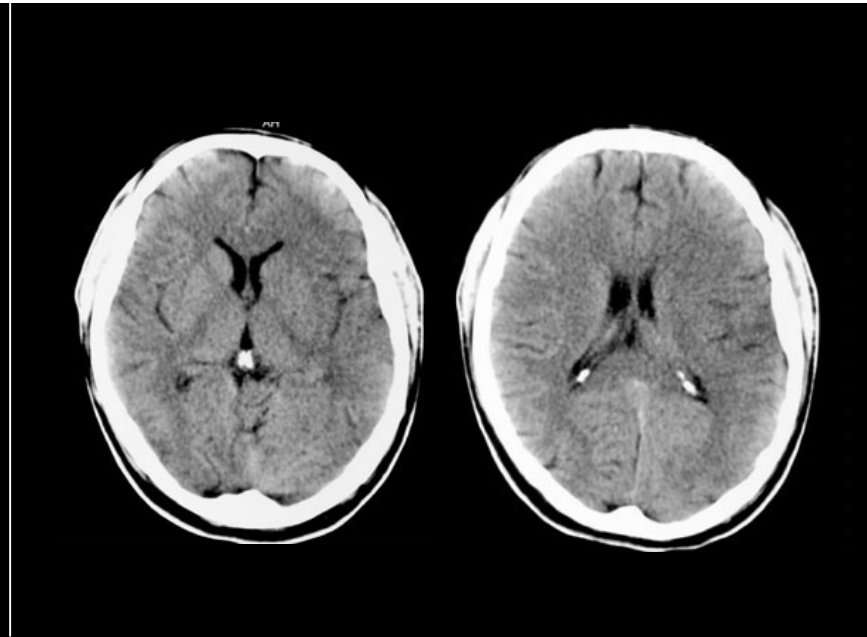# White Matter Hypoattenuation - 3 examples

Obvious deep WMH = Fazekas grade 2;

SVD score = 1 pt
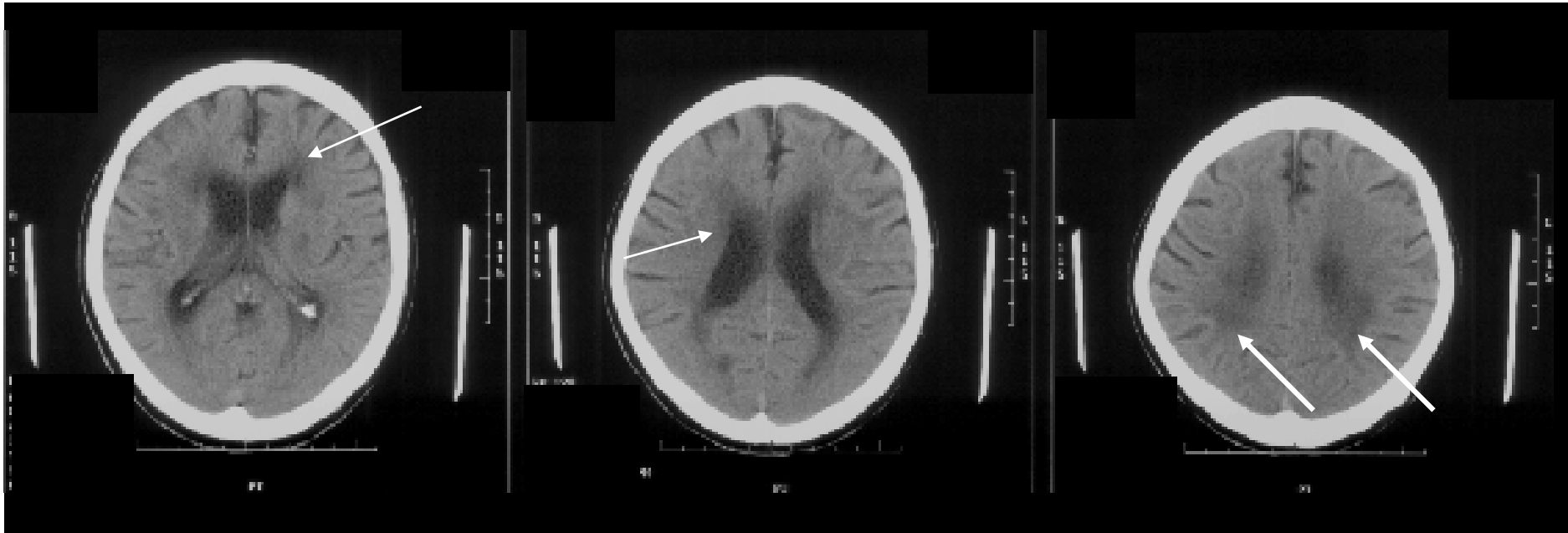
Minor periventricular no deep WMH = Fazekas grade 1;

SVD score = 0 pt

No WMH = Fazekas 0;

SVD score = 0 pt
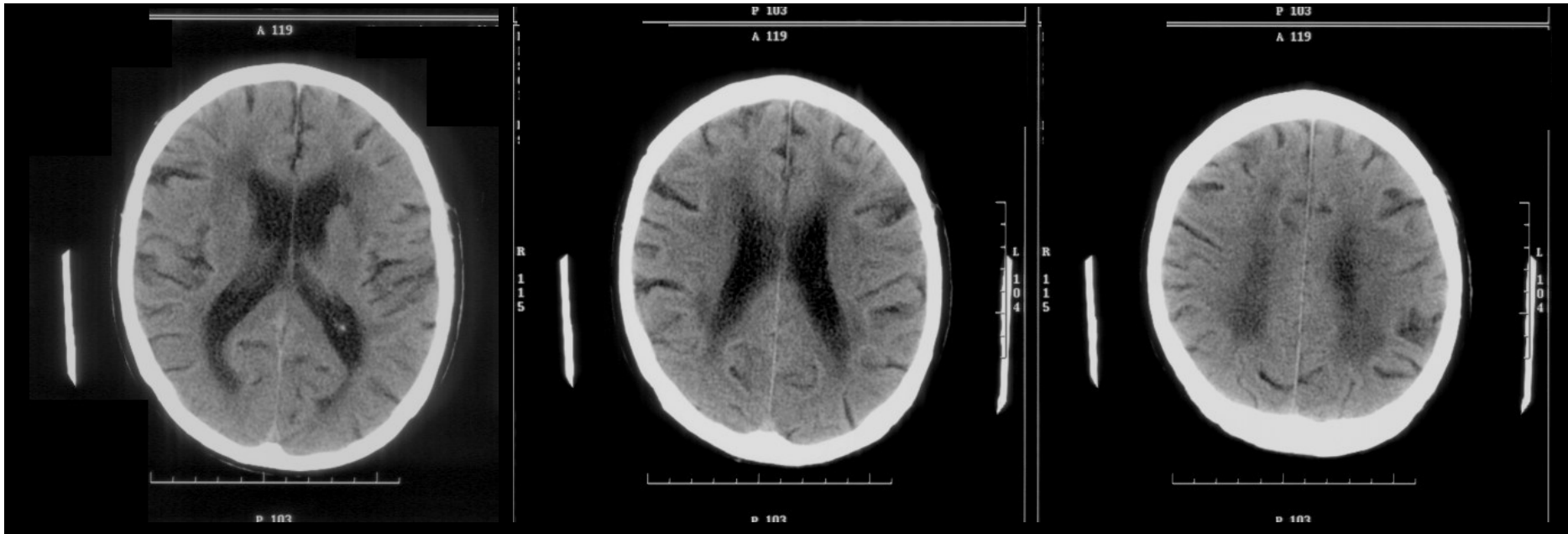
White Matter Hypoattenuation - 1 example

Obvious WMH around the ventricles =
Fazekas periventricular grade 3 (white arrows)

Obvious WMH in the deep white matter going out to cortex = Fazekas deep white matter grade 3 (yellow arrows)

SVD score: 1 point
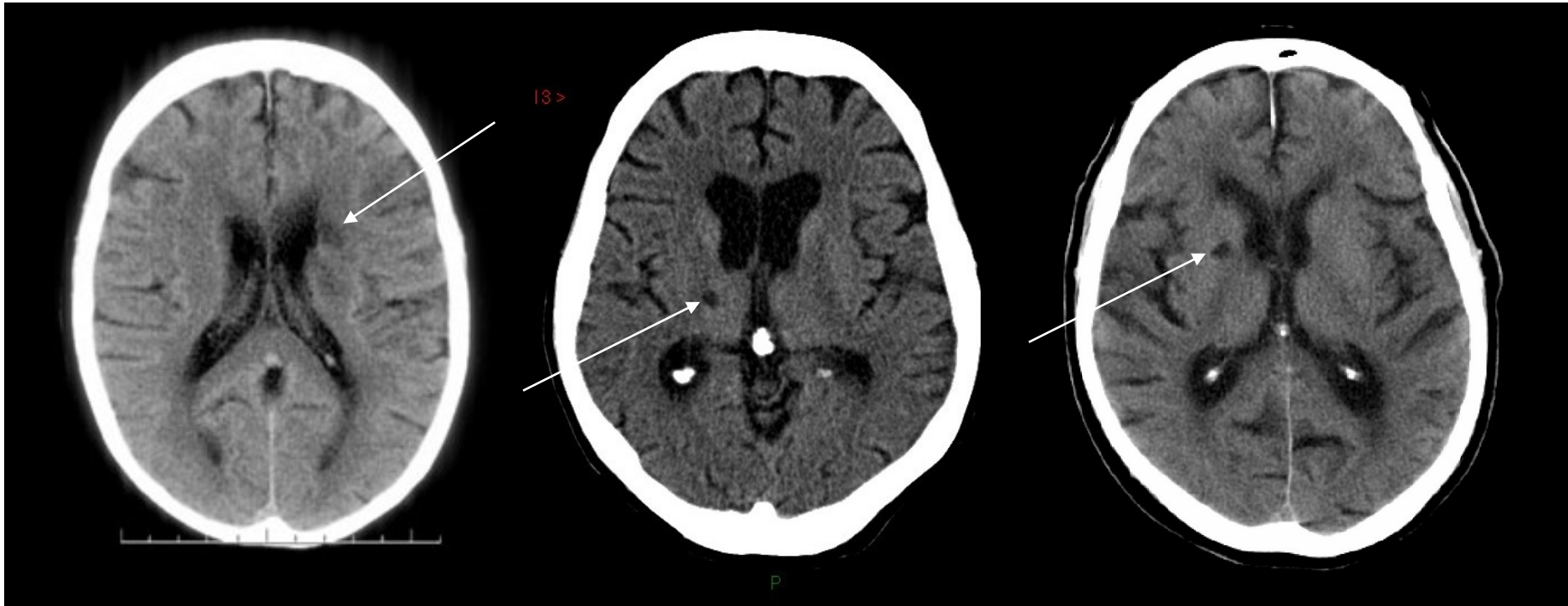
White Matter Hypoattenuation - 1 example

Obvious WMH around the ventricles = Fazekas periventricular grade 3

Obvious WMH in the deep white matter going out to cortex = Fazekas deep white matter grade 3

SVD score: 1 point
[also note the lacune = another SVD point; SVD score = 2

Lacunes = CSF containing holes

Small and black like CSF, or at least much darker than normal brain

One or more lacunes = 1 pt on SVD score