Brain Observer Micro Bleed Scale (BOMBS) Date of birth ___ / ___ / study ID_____ Date of MRI ___ / ___ / ___ Are there any BMBs*? Stop Beware common BMB rating problems: Yes Flow voids in small cortical vessels [check T2/FLAIR] Are there 1-2 BMBs? Hypointensity at site of deep perforators from proximal MCA Symmetrical hypointensity in globi pallidi [check CT: calcium?] No Rate as 'possible' if pale or in a position susceptible to partial volume Yes effects [adjacent to petrous temporal bone or orbit] Uncertain about any BMBs? Beware rating only 1 or 2 BMBs <5mm ['possible' if in doubt] Right Left Rate Rate Definite Possible Definite Possible ► Cortex / grey-white junction 1 Number of BMBs <5mm Number of BMBs 5-10mm ► Subcortical white matter ² Number of BMBs <5mm Number of BMBs 5-10mm ▶ Basal ganglia grey matter ³ Number of BMBs <5mm Number of BMBs 5-10mm ► Internal and external capsule Number of BMBs <5mm Number of BMBs 5-10mm **▶** Thalamus Number of BMBs <5mm Number of BMBs 5-10mm ▶ Brainstem Number of BMBs <5mm Number of BMBs 5-10mm ▶ Cerebellum Number of BMBs <5mm

Number of BMBs 5-10mm

³ Caudate and lentiform nuclei.

^{*} Small, homogeneous, round foci of low signal intensity on T2*-weighted images of less than 10 mm in diameter. Low signal on T2* within infarcts or haemorrhagic strokes are not counted as BMBs.

Includes subcortical BMBs that touch the grey-white matter junction.

² Includes periventricular white matter and deep portions of the centrum semiovale