**Title:** Cortical microinfarcts in memory clinic patients are associated with reduced cerebral perfusion.

**eTable 1:** Characteristics of patients included in the CBF analysis, patients with angiogram-classified ASL-scans and excluded patients.

|                          | Study cohort N=181 | Excluded N=53 | p-value | p-value |
|--------------------------|--------------------|---------------|---------|---------|
|                          | CBF analysis       | Angiogram     |         |         |
| N                        | 148                | 33            |         |         |
| Age, mean (SD), years    | 71.4 (8.8)         | 73.7 (10.7)   | .183    | .036    |
| No (%) males             | 65 (44)            | 27 (82)       | .000    | .233    |
| Ethnicity, No (%) Chinese | 118 (80)          | 25 (76)       | .390    | .225    |
| Education, median (IQR) (3 levels) | 2 (1-3)     | 2 (1-3)       | .744    | .420    |
| MMSE, mean (SD)          | 21.9 (5.8)         | 20.6 (5.6)    | .272    | .000    |
| Clinical diagnosis, No. (%) |                   |               |         |         |
| NCI                      | 26 (18)            | 3 (9)         | .318    | .000    |
| CIND                     | 64 (43)            | 13 (39)       | .100    | .199    |
| Dementia                 | 58 (39)            | 17 (52)       | .035    | .029    |
| CMI occurrence, No. (%)  |                    |               |         |         |
| No CMIs                  | 112 (76)           | 19 (58)       | .035    | .029    |
| 1 CMI                    | 23 (15)            | 4 (12)        | .272    | .225    |
| ≥ 2 CMIs                 | 13 (9) (max 6 CMIs) | 10 (30) (max 43 CMIs) | .390    | .225    |

Abbreviations: CBF=cerebral blood flow, ASL=arterial spin labeling, IQR=interquartile range, MMSE=mini-mental state examination, NCI=no cognitive impairment, CIND= Cognitive impairment -no dementia, CMI=Cerebral cortical microinfarct. P-value of the differences between patients in the CBF analysis (N=148) vs angiogram-classified ASL-scans (N=33); and patients in the CBF analysis (N=148) vs excluded patients due to poor ASL (N=53).
| Sequence  | Voxel (mm³) | repetition time (ms) | echo time (ms) | inversion time (ms) | flip angle (°) | Matrix     |
|-----------|-------------|----------------------|----------------|---------------------|---------------|------------|
| 3D T1     | 1.0 x 1.0 x 1.0 | 2300                | 1.9            | 900                | 9             | 256 x 256  |
| 2D T2     | 1.0 x 1.0 x 3.0 | 3000                | 10.1           |                     |               | 247 x 256  |
| 2D FLAIR  | 1.0 x 1.0 x 3.0 | 9000                | 82             | 2500                |               | 232 x 256  |
| 2D T2*    | 1.0 x 1.0 x 1.5 | 27                  | 20             |                     | 15            | 192 x 256  |