

No	Title	Page
1	Inter-rater quality assessment of brain imaging analysis	4
2	Table S1. Summary of sites according to patient recruitment, and contributions to brain imaging analysis and missing scans	5
3	Table S2. Characteristics of patients included and excluded in the follow-up brain imaging analysis	8
4	Table S3. Characteristics of patients included and excluded in analysis of CT scans at 24-26 h	9
5	Table S4. Characteristics of patients in follow-up brain imaging analysis (N=1477), according to CT scans undertaken at 24 to 36 h versus any brain imaging at another time	10
6	Table S5. Baseline characteristics of patients with follow-up MRI at 24 to 36 h, by treatment	12
7	Table S6. Baseline characteristics of patients with CT/MRI at 24 to 36 h, by treatment	13
8	Table S7. Baseline characteristics of patients with any follow-up brain imaging, by treatment	14
9	Table S8. Relationship of intensive BP lowering treatment and secondary outcomes, by type of follow-up brain imaging	15
10	Table S9. Location cerebral infarction by blood pressure treatment group, according to scan type	16
11	Table S10. Type and volume of intracerebral haemorrhage by blood pressure treatment, and according to type of brain imaging	17
12	Table S11. Results of primary analysis and interaction of cerebral infarction and any intracranial haemorrhage	18
13	Table S12. Blood pressure parameters and outcome in patients with any follow up scan	19
14	Table S13. Associations of early systolic blood pressure control parameters and infarct size in any follow up scan	20
15	Figure S1. Patient flow for MRI at 24-36 h	21
16	Figure S2. Patient flow for CT/MRI at 24-36 h	22
17	Figure S3. Patient flow for any scan during follow-up	23
18	Figure S4. Mean systolic and diastolic blood pressure from randomisation to I follow-up	24
19	Figure S5. Associations of categorical early systolic blood pressure measures and infarct size in any follow up scan	25