

### ADDITIONAL FILE 3

#### Outcome of a cohort of severe cerebral venous thrombosis in Intensive Care

**Comparison of admission characteristics and supportive therapies intensity between groups having craniectomy, endovascular treatment or not.**  $p < 0.05$  was considered as statistically significant. Data were expressed as median and 25<sup>th</sup>-75<sup>th</sup> interquartiles or as proportion. CVT: cerebral vein thrombosis. ICU: intensive care unit. SAPS II: simplified acute physiologic score II. GCS: Glasgow coma scale. aPTT: activated partial thromboplastin time. CSF: cerebral spinal fluid. IV: intravenous. MAP: mean arterial pressure. Min: minimal. mRS: modified Rankin score.

|                                   | Craniectomy<br>n=16 | No craniectomy<br>n=25 | p value | Endovascular<br>treatment n=9 | No endovascular<br>treatment n=32 | p value |
|-----------------------------------|---------------------|------------------------|---------|-------------------------------|-----------------------------------|---------|
| Age (years)                       | 47.5 (33.3-50.8)    | 47 (22-53)             | 0.66    | 47 (42-50)                    | 47 (22.8-53)                      | 0.66    |
| Sex female (%)                    | 14 (87.5)           | 16 (64)                | 0.15    | 7 (77.8)                      | 22 (68.8)                         | 0.70    |
| SAPS II                           | 41.5 (33.5-55.8)    | 40 (32-44)             | 0.37    | 42 (42-45)                    | 36.5 (31.8-45.8)                  | 0.12    |
| Delay for diagnosis (days)        | 2.5 (1-5.5)         | 3 (1-8)                | 0.73    | 3 (2-6)                       | 3 (1-7.3)                         | 0.73    |
| Delay for ICU admission (days)    | 1.5 (1-2.3)         | 1 (0-4)                | 0.41    | 2 (1-3)                       | 1 (0-2.5)                         | 0.42    |
| GCS (lowest)                      | 6.5 (5-8)           | 7 (5-9)                | 0.63    | 7 (6-7)                       | 8 (5-9)                           | 0.58    |
| Seizure in ICU (n (%))            | 6 (37.5)            | 12 (48)                | 0.54    | 2 (22.2)                      | 16 (50)                           | 0.25    |
| Mydriasis (n (%))                 | 9 (56.3)            | 11 (44)                | 0.53    | 7 (77.8)                      | 13 (40.6)                         | 0.067   |
| Hematoma (n (%))                  | 15 (93.8)           | 17 (68)                | 0.066   | 8 (88.9)                      | 24 (75)                           | 0.65    |
| Heparin before ICU (n (%))        | 12 (75)             | 13 (52)                | 0.19    | 7 (77.8)                      | 18 (56.3)                         | 0.44    |
| aPTT ratio > 2 within 48h (n (%)) | 9 (56.3)            | 21 (84)                | 0.074   | 6 (66.7)                      | 24 (75)                           | 0.68    |
| Craniotomy (n (%))                | 16 (100)            | -                      | -       | 4 (44.4)                      | 12 (37.5)                         | 0.72    |
| Endovascular treatment (n (%))    | 3 (18.8)            | 5 (20)                 | 1.00    | 9 (100)                       | -                                 | -       |
| CSF shunt (n (%))                 | 4 (25)              | 3 (12)                 | 0.40    | 2 (22.2)                      | 5 (15.6)                          | 0.64    |
| IV norepinephrine (n (%))         | 14 (87.5)           | 12 (48)                | 0.018   | 9 (100)                       | 17 (53.1)                         | 0.015   |
| MAP min day 1 (mmHg)              | 78 (66-85)          | 74 (67-86)             | 0.86    | 86 (76-96)                    | 74 (65-83)                        | 0.16    |
| MAP min day 2 (mmHg)              | 73 (70-81)          | 79 (71-85)             | 0.31    | 78 (73-91)                    | 75 (70-83)                        | 0.34    |
| Mechanical ventilation (n (%))    | 16 (100)            | 21 (84)                | 0.14    | 9 (100)                       | 30 (93.8)                         | 1.00    |

|                                           |                   |                 |       |                   |                   |      |
|-------------------------------------------|-------------------|-----------------|-------|-------------------|-------------------|------|
| Fluid balance day 1 (mL)                  | -195 (-528– +636) | -188 (-467– 28) | 0.83  | -292 (-430– -151) | -151 (-482– +625) | 0.43 |
| Fluid balance day 2 (mL)                  | 609 (-725– +1263) | 149 (-687– 672) | 0.43  | -113 (-723– +304) | 401 (-667– +1075) | 0.24 |
| Natremia day 1 (mM)                       | 138 (135-140)     | 138 (136-142)   | 0.47  | 139 (135-139)     | 138 (135-143)     | 0.77 |
| Platelet count day 1 (10 <sup>9</sup> /L) | 251 (198-321)     | 227 (181-286)   | 0.34  | 231 (213-243)     | 234 (179-307)     | 1.00 |
| Glycemia day 1 (mM)                       | 7.7 (6.5-8.4)     | 7 (5.6-7.9)     | 0.22  | 7 (6.3-7.7)       | 7.2 (5.9-8.4)     | 0.92 |
| ICU deaths (n (%))                        | 5 (31.3)          | 4 (16)          | 0.28  | 3 (33.3)          | 7 (21.9)          | 0.66 |
| mRS at discharge                          | 4 (3.8-6)         | 3 (2-4)         | 0.078 | 4 (3-6)           | 4 (3-5)           | 0.45 |
| mRS at 3 months (n=23)                    | 3 (3-4)           | 2 (1-3.3)       | 0.074 | 3.5 (2.3-4)       | 3 (2-4)           | 0.51 |
| mRS at 12 months (n=18)                   | 2 (2-3)           | 1.5 (1-3)       | 0.21  | 2.5 (1.3-3.8)     | 2 (1-3)           | 0.41 |
| mRS at last follow-up                     | 2 (1.8-6)         | 3 (0-6)         | 0.48  | 4 (1-6)           | 2 (1-6)           | 0.47 |