### Supplemental Table I. Characteristics of patients with diagnosis of cerebral infarction

|                              | 1<sup>st</sup> COVID-19 wave N=406 | 2<sup>nd</sup> COVID-19 wave N=863 | P     |
|------------------------------|-----------------------------------|-----------------------------------|-------|
| Demographic data, risk factors, comorbidities and prestroke treatments |                                   |                                   |       |
| Male, n (%)                  | 228 (56.2)                        | 465 (53.9)                        | 0.242 |
| Age, median (IQR)            | 74 (63;82)                        | 75 (62;84)                        | 0.154 |
| Hypertension, n (%)          | 281 (69.2)                        | 619 (72)                          | 0.172 |
| Diabetes, n (%)              | 109 (27.4)                        | 245 (28.7)                        | 0.342 |
| Dyslipidemia, n (%)          | 218 (53.7)                        | 459 (53.2)                        | 0.457 |
| Ischemic cardiopathy, n (%)  | 48 (11.9)                         | 101 (11.8)                        | 0.520 |
| AF, n (%)                    | 85 (21)                           | 209 (24.4)                        | 0.109 |
| COPD, n (%)                  | 38 (9.4)                          | 70 (8.2)                          | 0.262 |
| Tobacco use, n (%)           | 69 (17)                           | 178 (21)                          | 0.056 |
| Alcohol abuse, n (%)         | 32 (7.9)                          | 52 (6.1)                          | 0.139 |
| Prior stroke, n (%)          | 59 (14.6)                         | 167 (19.6)                        | 0.019 |
| Pre-stroke AAS, n (%)        | 90 (22.2)                         | 195 (22.6)                        | 0.463 |
| Pre-stroke VKA, n (%)        | 43 (10.6)                         | 103 (11.9)                        | 0.274 |
| Pre-stroke NOAC, n (%)       | 17 (4.2)                          | 62 (7.2)                          | 0.024 |
| **Stroke severity**          |                                   |                                   |       |
| NIHSS, median (IQR)          | 8 (3;17)                          | 6 (2;14)                          | 0.000 |
| **Recanalization therapies, n (%)** |                               |                                   |       |
| Any recanalization therapy   | 174 (43.3)                        | 344 (40.7)                        | 0.212 |
| IVT                          | 64 (15.9)                         | 104 (12.3)                        | 0.081 |
| MT                           | 65 (16.2)                         | 161 (19.1)                        | 0.217 |
| IVT + MT                     | 45 (11.2)                         | 79 (9.3)                          | 0.308 |
| **Metrics in stroke management, median (IQR) [minutes]** |                               |                                   |       |
| Stroke onset-to-hospital arrival | 130 (84;278)                      | 149 (86;378)                      | 0.191 |
| DTI time                     | 28 (17-50)                        | 27 (17-52)                        | 0.882 |
| DTN time                     | 46 (31;60.5)                      | 48 (35;65)                        | 0.596 |
| DTP time                     | 83.5 (65;112.7)                   | 80 (58;110)                       | 0.262 |
| **In-hospital complications, n (%)** |                               |                                   |       |
| Seizures                     | 12 (3)                            | 12 (1.4)                          | 0.049 |
| Hemorrhagic transformation   | 18 (4.4)                          | 19 (2.2)                          | 0.024 |
| Respiratory infection/ non COVID 19-related pneumonia | 46 (11.3)                        | 111 (12.9)                        | 0.249 |
| COVID-19 related pneumonia   | 62 (15.3)                         | 19 (2.2)                          | 0.000 |
| Deep vein thrombosis         | 9 (2.2)                           | 5 (0.6)                           | 0.013 |
| Urinary tract infection      | 13 (3.2)                          | 51 (5.9)                          | 0.024 |
| Sepsis                       | 3 (0.7)                           | 12 (1.4)                          | 0.241 |
| **Etiology of cerebral infarction, n (%)** |                               |                                   |       |
| Atherosclerosis with stenosis >50% | 50 (12.3)                        | 101 (11.7)                        | 0.156 |
| Atherosclerosis with stenosis <50% | 28 (6.9)                          | 43 (5)                            |       |
| Cardioembolism               | 124 (30.6)                        | 307 (35.7)                        |       |
| Small vessel disease         | 46 (11.4)                         | 109 (12.7)                        |       |
| Uncommon cause               | 23 (5.7)                          | 58 (6.7)                          |       |
| Unknown cause due to incomplete workup | 54 (13.3)                        | 109 (12.7)                        |       |
| Unknown cause due to negative workup | 70 (17.3)                        | 105 (12.2)                        |       |
| Unknown cause due to coexistence of two or more causes | 10 (2.5)                          | 28 (3.3)                          |       |
| **Outcomes on discharge, n (%)** |                               |                                   |       |
| In-hospital death            | 65 (16)                           | 78 (9)                            | 0.000 |
| Death or dependency (mRS>2)  | 202 (49.9)                        | 369 (42.8)                        | 0.011 |
Supplemental Table II. Characteristics of patients with diagnosis of intracerebral hemorrhage

| Demographic data, risk factors, comorbidities and prestroke treatments | 1st COVID-19 wave N=77 | 2nd COVID-19 wave N=145 | P |
|---|---|---|---|
| Male, n (%) | 43 (55.8) | 86 (59.3) | 0.360 |
| Age, median (IQR) | 72 (58;83) | 76 (62;84) | 0.193 |
| Hypertension, n (%) | 54 (70.1) | 97 (67.4) | 0.694 |
| Diabetes, n (%) | 16 (20.8) | 30 (20.7) | 0.559 |
| Dyslipidemia, n (%) | 32 (41.6) | 68 (46.9) | 0.268 |
| Ischemic cardiopathy, n (%) | 6 (7.8) | 10 (7) | 0.512 |
| AF, n (%) | 19 (24.7) | 33 (22.9) | 0.446 |
| COPD, n (%) | 8 (10.5) | 12 (8.3) | 0.372 |
| Tobacco use, n (%) | 12 (15.6) | 28 (19.4) | 0.302 |
| Alcohol abuse, n (%) | 7 (9.1) | 12 (8.5) | 0.528 |
| Prior stroke, n (%) | 12 (15.8) | 26 (18.2) | 0.403 |
| Pre-stroke AAS, n (%) | 13 (16.9) | 30 (20.7) | 0.310 |
| Pre stroke VKA, n (%) | 17 (22.1) | 19 (13.1) | 0.064 |
| Pre-stroke NOAC, n (%) | 6 (7.8) | 19 (13.1) | 0.167 |

**Stroke severity**

| NIHSS, median (IQR) | 7 (3;17) | 9.5 (3;17) | 0.162 |

**Metrics in stroke management, median (IQR) [minutes]**

| Stroke onset-to-hospital arrival | 147 (95;334) | 141 (87;373) | 0.102 |
| DTI time | 30 (17.5-53.5) | 26.5 (17-58.2) | 0.382 |

**In-hospital complications, n (%)**

| Seizures | 5 (6.5) | 12 (8.3) | 0.426 |
| Deep vein thrombosis | 0 (0.0) | 3 (2.1) | 0.277 |
| Urinary tract infection | 6 (7.8) | 14 (9.7) | 0.423 |
| Sepsis | 6 (7.8) | 5 (3.4) | 0.128 |

**Etiology of ICH, n (%)**

| Hypertension | 43 (55.6) | 76 (53.5) | 0.724 |
| Amyloid angiopathy | 8 (10.5) | 24 (16.9) |  | |
| Anticoagulation | 11 (14.5) | 20 (14.1) |  | |
| Vascular malformation | 4 (5.3) | 4 (2.8) |  | |

**Outcomes on discharge, n (%)**

| In-hospital death | 20 (26.3) | 36 (24.8) | 0.465 |
| Death or dependency (mRS>2) | 56 (73.7) | 107 (73.8) | 0.554 |
**Supplemental Figure:** Proportion of stroke neurologists on medical leave due to COVID-19 during the first and second pandemic waves in each of the participating hospitals.