**Supplementary Table 2. Clinical and laboratory findings at initiation of plasma exchange and evolution after treatment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Patient 1** | **Patient 2** | **Patient 3** | **Patient 4** |
| **Days from ICU admission to PE** | 9 | 8 | 15 | 26 |
| **Indication** | Multiorgan failure | Multiorgan failure | Catastrophic antiphospholipid syndrome | Multiorgan failure |
| **Number of PE sessions** | 4 | 2 | 6 | 3 |
|  | **Before PE**  | **After PE**  | **Before PE** | **After PE** | **Before PE**  | **After PE**  | **Before PE**  | **After PE**  |
| **Laboratory and scores** |  |
|  WBC, x109 per L |  |
|  Value | 11.97 | 5.78 | 12.84 | 15.33 | 20.95 | 10.14 | 12.28 | 5.80 |
|  Change after PE | -6.19 | 2.49 | -10.81 | -6.48 |
|  Lymphocyte count, x109 per L |  |
|  Value | 2.3 | 1.2 | 0.7 | 0.7 | 1.8 | 3.1 | 0.3 | 0.5 |
|  Change after PE | -1.1 | 0 | 1.3 | 0.2 |
|  Platelet count, x109 per L |  |
|  Value | 206 | 231 | 303 | 246 | 462 | 360 | 120 | 30 |
|  Change after PE | 25 | -57 | -102 | -90 |
|  INR |  |
|  Value | 1.37 | 1.48 | 1.12 | 1.20 | 1.14 | 1.11 | 1.35 | 1.18 |
|  Change after PE | 0.11 | 0.08 | -0.03 | -0.17 |
|  D-dimer, ng/mL |  |
|  Value | 12200 | 3300 | 3900 | 2500 | 13200 | 4000 | 11320 | 4600 |
|  Change after PE | -8900 | -1400 | -9200 | -6720 |
|  C reactive protein, mg/dL  |  |
|  Value | 0.4 | 0.4 | 9.54 | 2.60 | 10.81 | 0.48 | 0.76 | 0.60 |
|  Change after PE | 0 | -6.94 | -10.33 | -0.16 |
|  Procalcitonin, ng/mL |  |
|  Value | 56.27 | 0.82 | 2.12 | 9.77 | 0.11 | 0.04 | 0.25 | 0.19 |
|  Change after PE | -55.45 | 7.65 | -0.07 | -0.06 |
|  Creatinine, mg/dL |  |  |  |  |  |  |  |  |
|  Value | 3.65 | 1.49 | 4.63 | 3.49 | 0.49 | 0.65 | 2.49 | 1.34 |
|  Change after PE | -2.16 | -1.14 | 0.16 | -1.15 |
|  Lactate dehydrogenase, U/L |  |  |  |  |  |  |  |  |
|  Value | 453 | 530 | 297 | 247 | 649 | 182 | 895 | 244 |
|  Change after PE | 77 | -50 | -467 | -651 |
|  Ferritin, ng/mL |  |
|  Value | 2543 | 411 | 2067 | 627 | 1573 | 577 | 3137 | 394 |
|  Change after PE | -2132 | -1440 | -996 | -2743 |
|  Triglyceride, mg/dL |  |
|  Value | 1328 | 269 | 689 | 411 | 126 | 196 | 126 | 61 |
|  Change after PE | -1059 | -278 | 70 | -65 |
|  SOFA, points |  |
|  Value | 8 | 2 | 8 | 7 | 3 | 1 | 10 | 8 |
|  Change after PE | -6 | -1 | -2 | -2 |
|  APACHE II, points |  |
|  Value | 23 | 11 | 22 | 24 | 11 | 3 | 17 | 10 |
|  Change after PE | -12 | 2 | -8 | -7 |
| **Organ support and clinical outcome** |
|  Ventilator weaning  | Yes | Yes | Yes | Yes |
|  Decannulation | Yes | Yes | NA | Yes |
|  Renal replacement therapy | Not required | Not required | Not required | Not required |
|  ICU discharge | Yes | Yes | Yes | Yes |
|  Hospital discharge | Yes | Yes | Yes | Not yet |

ICU: intensive care units; PE: plasma exchange; WBC: White blood cell count; INR: international normalized ratio; SOFA: sequential organ failure score; APACHE: Acute physiological and chronic health evaluation