|  |  |  |
| --- | --- | --- |
| **Marker** |  | **TBI** |
| **Control** | **Admission** | **24 h** |
| *Endotheliopathy (ng/mL)* |  |  |  |
|  E-Sel | 11.6 ( 3.1 – 20.8) | 7.7 (0.5 – 32.9)\* | 10.3 (0.5 – 51.1) |
|  P-Sel | 51.0 (18.4 – 116.1) | 85.1 (24.8 – 312.7)\* | 84.5 (28.4 – 213.4)\* |
|  ICAM-1 | 299.3 (185.6 – 607.7) | 226.1 (51.9 – 1092.5)\* | 287.2 (131.8 – 1317.8) |
|  ICAM-3 | 0.4 (0.3 – 0.7) | 0.6 (0.1 – 50.5) | 0.4 (0.1 – 36.7)\* |
|  VCAM-1 | 455.3 (255.3 – 823.8) | 359.3 (136.5 – 1595.1)\* | 614.8 (228.2 – 1746.3)\* |
|  VAP-1 | 223.6 (77.4 – 316.6) | 365.1 (32.7 – 688.0)\* | 267.7 (104.9 – 560.5) |
|  SDC-1 | 22.9 (7.5 – 41.1.) | 58.8 (16.7 – 295.0)\* | 41.9 (10.4 – 264.0)\* |
| *Coagulopathy (ng/mL)* |  |  |  |
|  TAT | 2.7 (1.0 – 5.5) | 56.74 (8.4 – 187.5)\* | 13.0 (2.1 – 92.2)\* |
|  TF | 185.3 (107.4 – 229.6) | 430.2 (128.7 – 1302.0)\* | 208.8 (113.1 – 1276.6)\* |
|  TFPI | 30.2 (10.6 – 47.2) | 59.0 (32.3 – 97.6)\* | 47.8 (24.0 – 84.8)\* |
|  TM | 3.8 (2.3 – 5.1) | 3.2 (1.7 – 8.0)\* | 4.0 (1.7 – 13.1) |
|  tPA | 1.6 (0.3 – 5.9) | 17.2 (2.3 – 47.6)\* | 11.0 (2.0 – 45.0)\* |
|  DD  | 115.2 (21.3 – 251.3) | 4911.2 (122.5 – 13456.2)\* | 1656.9 (144.2 – 9962.7)\* |
|  PAI1 | 17.2 (5.1 – 26.9) | 43.9 (9.8 – 208.1)\* | 47.4 (16.9 – 155.3)\* |
| *Inflammatory (ng/mL)* |  |  |  |
|  IL-6  | -- | 21.1 (0.6 – 529.4) | 28.8 (2.6 – 2953.5) |
|  CRP (μg/mL) | 8.2 (1.4 – 29.2) | 1.6 (0.0 – 141.3)\* | 115.0 (4.9 – 195.2)\* |
|  SAA (μg/mL) | 5.3 (1.1 – 21.7) | 2.3 (0.2 – 146.9)\* | 113.9 (15.5 – 195.4)\* |

**Supplement 1.** Plasma concentrations of biomarkers.

**Abbreviations:** TBI, traumatic brain injury; E-sel, E-selectin; P-Sel, P-Selectin; ICAM, intercellular adhesion molecule; VCAM, vascular cell adhesion molecule; VAP, vascular activation protein; SDC, syndecan; TAT, thrombin anti-thrombin complex III; TF, tissue factor; TPFI, tissue factor platelet inhibitor; TM, thrombomodulin; tPA, tissue plasminogen activator; DD, D-dimer; PAI, plasminogen activation inhibitor; IL, interleukin; CRP, c-reactive protein; SAA, serum amyloid a.

Data presented as the median (range).

\* = p <0.05 by Kruskal Wallis with Dunns post hoc.

-- = <50% of samples were within the assay detection range.

For a complete description of inflammatory marker plasma concentrations, please refer to our previously published works (28).