Supplementary Table 1. Characteristics of patients with hyperventilation syndrome and patients with urinary tract infections.

|                          | Blood gas measured | Blood gas not measured | P-value |
|--------------------------|--------------------|------------------------|---------|
| **Hyperventilation syndrome** |                    |                        |         |
| N=145                    | N=49               |                        |         |
| Male/Female              | 34/111             | 10/39                  |         |
| Female (%)               | 76.6               | 80.0                   | 0.84*   |
| Age                      | 46 (32–69)         | 38 (25–53)             | 0.012†  |
| Initial systolic blood pressure (mmHg) | 139 (120–157) | 139 (119–154)         | 0.51†   |
| Heart rate (/min)        | 89 (75–100)        | 84 (75–98)             | 0.57†   |
| Respiratory rate (/min)  | 30 (24–32)         | 28 (25–35)             | 0.76†   |
| Body temperature (/min)  | 36.7 (36.3–37.1)   | 36.7 (36.3–37.1)       | 0.87†   |
| Glasgow coma scale       | 15 (15–15)         | 15 (14–15)             | 0.005†  |
| **Urinary tract infections** |                    |                        |         |
| N=94                     | N=13               |                        |         |
| Male/Female              | 52/42              | 8/5                    |         |
| Female (%)               | 55.3               | 61.5                   | 0.77*   |
| Age                      | 83 (76–88)         | 77 (69–98)             | 0.23†   |
| Initial systolic blood pressure (mmHg) | 138 (113–158) | 148 (134–171)         | 0.11†   |
| Heart rate (/min)        | 99 (84–118)        | 94 (81–101)            | 0.22†   |
| Respiratory rate (/min)  | 24 (20–30)         | 20 (16–24)             | 0.006†  |
| Body temperature (/min)  | 38.6 (37.5–39.3)   | 38.4 (36.7–38.9)       | 0.21†   |
| Glasgow coma scale       | 14 (14–15)         | 14 (14–15)             | 0.99†   |

The data are presented as median with interquartile range.

*: Fisher’s exact test
†: Mann-Whitney U test

Abbreviations: HCO3-, bicarbonate ion; HVS, psychogenic hyperventilation syndrome; K, potassium ion; PCO2, partial pressure of carbon dioxide; UTI, urinary tract infection.