### Supplementary Table 3. Postoperative data (before matching)

| Variable                      | Daily fluid balance          | P-value |
|-------------------------------|------------------------------|---------|
|                               | <20 ml/kg (n = 194)          | ≥20 ml/kg (n = 126) |         |
| No. of vasopressors           |                              |         |
| 0                             | 130 (67.0)                   | 43 (34.1) | <0.001<sup>a</sup> |
| 1                             | 45 (23.2)                    | 49 (38.9) |
| 2                             | 15 (7.7)                     | 19 (15.1) |
| 3                             | 4 (2.1)                      | 14 (11.1) |
| 4                             | 0 (0.0)                      | 1 (0.8)   |
| NE day                        | 3 (2–4)                      | 5 (2–8)   | <0.001<sup>a</sup> |
| Initial NE dose (μg/kg/min)   | 0.091 (0.047–0.139)          | 0.119 (0.071–0.247) | 0.018<sup>a</sup> |
| Highest NE dose (μg/kg/min)   | 0.175 (0.099–0.380)          | 0.376 (0.141–0.762) | <0.001<sup>a</sup> |
| RRT                           | 7 (3.6)                      | 31 (24.6) | <0.001 |
| Average daily intake (ml)     | 3,329 (2,865–3,981)          | 4,051 (3,315–4,824) | <0.001<sup>a</sup> |
| Average daily urine (ml)      | 2,147 (1,732–2,618)          | 1,318 (936–1,962) | <0.001<sup>a</sup> |
| Average daily fluid balance (ml) | 611 (234–867)                 | 1,820 (1,376–2,334) | <0.001<sup>a</sup> |
| Daily fluid balance/bw (ml/kg) | 10.31 (4.18–14.33)           | 30.60 (24.27–42.43) | <0.001<sup>a</sup> |
| Initial fSOFA                 | 3 (1–4)                      | 3 (1–5)   | 0.731<sup>a</sup> |
| fSOFA at ICU discharge        | 2 (1–3)                      | 4 (2–8)   | <0.001<sup>a</sup> |
| Delta SOFA (n/day)            | −0.15 (−0.67 to 0.20)        | 0.14 (−0.50 to 0.57) | <0.001<sup>a</sup> |

Values are presented as number (%) or median (interquartile range).
NE: norepinephrine; RRT: renal replacement therapy; bw: body weight; fSOFA: full Sequential Organ Failure Assessment; ICU: intensive care unit; SOFA: Sequential Organ Failure Assessment.
<sup>a</sup>Fisher’s exact test; <sup>b</sup>Mann-Whitney U-test.

### Supplementary Table 4. Clinical outcomes (before matching)

| Variable                      | Daily fluid balance          | P-value |
|-------------------------------|------------------------------|---------|
|                               | <20 ml/kg (n = 194)          | ≥20 ml/kg (n = 126) |         |
| HLOS (day)                    | 13 (10–21)                   | 17 (9–29) | 0.163<sup>a</sup> |
| ICU LOS (day)                 | 2 (1–5)                      | 4 (1–13) | <0.001<sup>a</sup> |
| MV day                        | 0 (0–1)                      | 1 (0–9)  | <0.001<sup>a</sup> |
| In-hospital mortality         | 9 (4.6)                      | 32 (25.4) | <0.001 |
| 30-Day mortality              | 4 (2.1)                      | 29 (23.0) | <0.001<sup>a</sup> |

Values are presented as median (interquartile range) or number (%).
HLOS: hospital length of stay; ICU: intensive care unit; LOS: length of stay; MV: mechanical ventilation.
<sup>a</sup>Mann-Whitney U test; <sup>b</sup>Fisher’s exact test.

### Supplementary Table 5. Complications (before matching)

| Variable                          | Daily fluid balance          | P-value |
|-----------------------------------|------------------------------|---------|
|                                  | <20 ml/kg (n = 194)          | ≥20 ml/kg (n = 126) |         |
| Pre-existing pleural effusion     | 66 (34.0)                    | 43 (34.1) | 0.984 |
| Newly developed pleural effusion  | 101 (52.1)                   | 78 (61.9) | 0.106 |
| PCD for pleural effusion          | 25 (12.9)                    | 36 (28.6) | <0.001 |
| Pre-existing pulmonary consolidation | 10 (5.2)                    | 18 (14.3) | 0.005 |
| Newly developed pulmonary consolidation | 36 (18.6)                   | 65 (51.6) | <0.001 |
| Reintubation                      | 12 (6.2)                     | 26 (20.6) | <0.001 |
| Infectious complication           | 73 (37.6)                    | 74 (58.7) | <0.001 |
| Reoperation for anastomosis leakage | 4 (2.1)                     | 10 (7.9)  | 0.022<sup>a</sup> |

Values are presented as number (%).
PCD: percutaneous drainage.
<sup>a</sup>Fisher’s exact test.