

## Supplementary Digital Content

**SDC Table 1.** Physiological and laboratory parameters at baseline and post-splenectomy. Values are mean and standard deviation.

| Variable                       | Baseline    |            |             |                 | Post-Splenectomy |            |             |                 |
|--------------------------------|-------------|------------|-------------|-----------------|------------------|------------|-------------|-----------------|
|                                | cREBOA      | iREBOA     | nREBOA      | <i>p</i> value* | cREBOA           | iREBOA     | nREBOA      | <i>p</i> value* |
| n                              | 8           | 8          | 8           |                 | 8                | 8          | 8           |                 |
| Weight, kg                     | 74.4 ± 2.1  | 76.5 ± 6.6 | 79.8 ± 3.7  | 0.079           | n/a              | n/a        | n/a         |                 |
| <b>Physiological</b>           |             |            |             |                 |                  |            |             |                 |
| Heart Rate, bpm                | 77 ± 16     | 75 ± 12    | 98 ± 22     | 0.030           | 78 ± 23          | 77 ± 15    | 99 ± 24     | 0.076           |
| Systemic SBP, mmHg             | 79 ± 12     | 85 ± 9     | 91 ± 18     | 0.262           | 78 ± 10          | 93 ± 14    | 88 ± 15     | 0.113           |
| Pulmonary SBP, mmHg            | 22 ± 6      | 24 ± 3     | 26 ± 5      | 0.309           | 18 ± 4           | 23 ± 4     | 26 ± 4      | 0.008           |
| Carotid Flow, mL/min           | 318 ± 75    | 360 ± 82   | 473 ± 324   | 0.335           | 315 ± 71         | 393 ± 94   | 579 ± 563   | 0.318           |
| CVP, mmHg                      | 8 ± 3       | 10 ± 2     | 12 ± 6      | 0.426           | 5 ± 3            | 9 ± 3      | 11 ± 6      | 0.069           |
| <b>Laboratory</b>              |             |            |             |                 |                  |            |             |                 |
| Hb, g/dL                       | 9.6 ± 0.6   | 9.9 ± 1.0  | 9.6 ± 1.0   | 0.848           | 10.8 ± 0.8       | 11.0 ± 1.1 | 10.3 ± 0.9  | 0.475           |
| PT, sec                        | 13.4 ± 0.5  | 13.5 ± 0.5 | 13.8 ± 0.7  | 0.411           | 13.6 ± 0.6       | 13.4 ± 0.4 | 13.5 ± 0.5  | 0.776           |
| PTT, sec                       | 35.0 ± 11.6 | 30.4 ± 6.8 | 34.6 ± 6.7  | 0.521           | 32.7 ± 11.1      | 31.9 ± 6.2 | 36.5 ± 6.5  | 0.589           |
| Platelets, x10 <sup>9</sup> /L | 288 ± 124   | 292 ± 119  | 270 ± 94    | 0.931           | 278 ± 92         | 286 ± 110  | 285 ± 99    | 0.987           |
| Fibrinogen, mg/dL              | 204 ± 55    | 185 ± 34   | 201 ± 63    | 0.739           | 191 ± 53         | 192 ± 38   | 208 ± 64    | 0.820           |
| BUN, mg/dL                     | 9.0 ± 2.5   | 9.1 ± 5.3  | 10.4 ± 2.3  | 0.761           | 9.0 ± 2.5        | 9.1 ± 5.1  | 11.1 ± 2.3  | 0.520           |
| Creatinine, mg/dL              | 1.8 ± 0.3   | 1.5 ± 0.3  | 1.5 ± 0.4   | 0.094           | 1.9 ± 0.3        | 1.5 ± 0.3  | 1.5 ± 0.4   | 0.070           |
| K <sup>+</sup> , mmol/L        | 3.7 ± 0.3   | 3.6 ± 0.3  | 3.7 ± 0.2   | 0.650           | 3.8 ± 0.4        | 3.7 ± 0.5  | 3.8 ± 0.3   | 0.726           |
| ALT, U/L                       | 32 ± 6      | 32 ± 5     | 33 ± 11     | 0.948           | 32 ± 5           | 33 ± 5     | 34 ± 11     | 0.909           |
| AST, U/L                       | 20 ± 9      | 21 ± 4     | 29 ± 19     | 0.315           | 24 ± 7           | 26 ± 8     | 35 ± 17     | 0.166           |
| LDH, U/L                       | 415 ± 72    | 381 ± 43   | 432 ± 91    | 0.377           | 429 ± 63         | 398 ± 39   | 426 ± 84    | 0.577           |
| CK, U/L                        | 1846 ± 1792 | 959 ± 636  | 2621 ± 2483 | 0.215           | 1836 ± 1697      | 990 ± 591  | 1766 ± 1756 | 0.221           |

Abbreviations: REBOA – Resuscitative Endovascular Balloon Occlusion of the Aorta, c – continuous, i – intermittent, n – no, PT – Prothrombin Time, PTT – Partial Thromboplastin Time, ALT – Alanine Aminotransferase, AST – Aspartate Aminotransferase, LDH – Lactate Dehydrogenase, CK – Creatine Kinase.

\*Analysis of Variance