**Figure S1.** Forest plot of outcomes

### a. ALT

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | Std. Mean Difference |
|-------------------|------------|----------------|----------------------|----------------------|
|                   | Mean (SD)  | Total (Mean SD) | IV, Fixed (95% CI)   | IV, Fixed (95% CI)   |
| 1. Guang Yang     | 23.7091 (10.737) | 43 (27.1711 15.8437) | 83 18.1% 0.24 [-0.61, 0.13] | 0.24 [-0.61, 0.13] |
| 2. Jiao Li        | 25.9651 (12.7051) | 115 (26.9399 13.7207) | 247 50.5% 0.07 [-0.29, 0.16] | 0.07 [-0.29, 0.16] |
| 3. Jian Meng      | 32.0351 (16.2646) | 17 (26.1516 12.2634) | 25 6.6% 0.39 [0.24, 1.01] | 0.39 [0.24, 1.01] |
| 5. Zheying Huang  | 32.05 (4.7) | 20 (34.9 25.22) | 30 7.8% 0.52 [0.06, 1.09] | 0.52 [0.06, 1.09] |
| 6. Nand Tan       | 34 (21.7612) | 31 (36.8337 31.5739) | 69 14.3% 0.15 [-0.74, 0.03] | 0.15 [-0.74, 0.03] |
| Total (95% CI)    | 226       | 454 100.0% 0.08 [-0.12, 0.28] | -1 -0.5 0 0.5 1 | Favour experimental Favour control |

Heterogeneity: $\chi^2 = 7.37, df = 4 (P = 0.12); P = 0.46$

Test for overall effect: $Z = 0.47 (P = 0.64)$

### b. AST

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | Std. Mean Difference |
|-------------------|------------|----------------|----------------------|----------------------|
|                   | Mean (SD)  | Total (Mean SD) | IV, Fixed (95% CI)   | IV, Fixed (95% CI)   |
| 1. Guang Yang     | 23.7091 (10.737) | 43 (27.1711 15.8437) | 83 18.1% 0.24 [-0.61, 0.13] | 0.24 [-0.61, 0.13] |
| 2. Jiao Li        | 25.9651 (12.7051) | 115 (26.9399 13.7207) | 247 50.5% 0.07 [-0.29, 0.16] | 0.07 [-0.29, 0.16] |
| 3. Jian Meng      | 32.0351 (16.2646) | 17 (26.1516 12.2634) | 25 6.6% 0.39 [0.24, 1.01] | 0.39 [0.24, 1.01] |
| 5. Zheying Huang  | 32.05 (4.7) | 20 (34.9 25.22) | 30 7.8% 0.52 [0.06, 1.09] | 0.52 [0.06, 1.09] |
| 6. Nand Tan       | 34 (21.7612) | 31 (36.8337 31.5739) | 69 14.3% 0.15 [-0.74, 0.03] | 0.15 [-0.74, 0.03] |
| Total (95% CI)    | 252       | 454 100.0% 0.14 [-0.30, 0.62] | -1 -0.5 0 0.5 1 | Favour experimental Favour control |

Heterogeneity: $\chi^2 = 4.28, df = 4 (P = 0.60); P = 0.92$

Test for overall effect: $Z = 1.72 (P = 0.09)$

### c. Creatine kinase

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | Std. Mean Difference |
|-------------------|------------|----------------|----------------------|----------------------|
|                   | Mean (SD)  | Total (Mean SD) | IV, Fixed (95% CI)   | IV, Fixed (95% CI)   |
| 2. Jiao Li        | 98.2543 (76.5787) | 115 (66.8745 73.3322) | 247 82.2% 0.13 [-0.06, 0.03] | 0.13 [-0.06, 0.03] |
| 3. Jian Meng      | 65.5704 (51.1712) | 8 (76.68 58.1189) | 13 12.2% -0.22 [-0.11, 0.00] | -0.22 [-0.11, 0.00] |
| 5. Zheying Huang  | 55.9296 (34.9008) | 20 (52.0106 42.6185) | 30 12.2% 0.08 [-0.48, 0.64] | 0.08 [-0.48, 0.64] |
| Total (95% CI)    | 143       | 280 100.0% 0.19 [-0.10, 0.00] | -1 -0.5 0 0.5 1 | Favour experimental Favour control |

Heterogeneity: $\chi^2 = 5.88, df = 2 (P = 0.70); P = 0.64$

Test for overall effect: $Z = 1.00 (P = 0.32)$

### d. CRP

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | Std. Mean Difference |
|-------------------|------------|----------------|----------------------|----------------------|
|                   | Mean (SD)  | Total (Mean SD) | IV, Fixed (95% CI)   | IV, Fixed (95% CI)   |
| 1. Guang Yang     | 25.3978 (41.5693) | 43 (53.8077 86.0841) | 83 20.0% -0.38 [-0.75, 0.01] | -0.38 [-0.75, 0.01] |
| 2. Jiao Li        | 2.5072 (3.6788) | 115 (3.0209 4.1759) | 247 56.2% -0.11 [-0.34, 0.11] | -0.11 [-0.34, 0.11] |
| 3. Zheying Huang  | 91.644 (130.4872) | 20 (61.0040 92.1983) | 30 8.5% 0.28 [-0.29, 0.08] | 0.28 [-0.29, 0.08] |
| 6. Nand Tan       | 23.6351 (30.3103) | 31 (31.4799 42.2497) | 69 15.3% -0.20 [-0.62, 0.23] | -0.20 [-0.62, 0.23] |
| Total (95% CI)    | 209       | 429 100.0% -0.15 [-0.31, 0.02] | -1 -0.5 0 0.5 1 | Favour experimental Favour control |

Heterogeneity: $\chi^2 = 3.81, df = 3 (P = 0.20; P = 0.21$

Test for overall effect: $Z = 1.74 (P = 0.08)$

### e. Diarrhea
### f. Lactate Dehydrogenase

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|------------|----------------|------------|-------------------|
| **Total**         |            | 111            |            |                   |

Test for overall effect: $Z = 0.96 (P = 0.34)$

### g. Lymphocyte

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | IV, Random, 95% CI |
|-------------------|------------|----------------|----------------------|-------------------|
| **Total**         |            | 226            | -0.03 [-0.19, 0.13]  |                   |

Test for overall effect: $Z = 0.37 (P = 0.71)$

### h. Neutrophil

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|------------|----------------|------------|-------------------|
| **Total**         |            | 196            | -0.01 [-0.19, 0.16] |                   |

Test for overall effect: $Z = 0.14 (P = 0.86)$

### i. Procalcitonin

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|------------|----------------|------------|-------------------|
| **Total**         |            | 194            | -3.32 [-0.79, 0.16] |                   |

Test for overall effect: $Z = 1.29 (P = 0.20)$

### j. Prothrombin time

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|------------|----------------|------------|-------------------|
| **Total**         |            | 111            | 0.70 [0.34, 1.45] |                   |

Test for overall effect: $Z = 0.96 (P = 0.34)$
| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | IV, Random, 95% CI | IV, Random, 95% CI |
|------------------|------------|----------------|----------------------|---------------------|---------------------|
| 1. Guang Yang    | 12.1355    | 11.5044       | 0.8428               | -0.17 (-0.54, 0.18) | -0.17 (-0.54, 0.18) |
| 2. Joo Li        | 11.41      | 10.5111       | 0.9166               | -0.19 (-0.41, 0.03) | -0.19 (-0.41, 0.03) |
| 3. Juan Meng     | 12.5       | 0.6846        | 17                   | 0.0777              | 0.0777              |
| Total (95% CI)   | 175        | 353           | 100.0%               | -0.46 (-0.43, 0.04) | -0.46 (-0.43, 0.04) |

Heterogeneity: Test: $I^2 = 0.50$, $Q = 4.93$, df = 2 ($P = 0.09$), $I^2 = 59$
Test for overall effect: $Z = 0.23$ ($P = 0.62$)

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### k. Troponin

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | IV, Fixed, 95% CI | IV, Fixed, 95% CI |
|------------------|------------|----------------|----------------------|---------------------|---------------------|
| 1. Guang Yang    | 0.005      | 0.0107        | 3                    | 0.0196              | 0.0372              |
| 2. Joo Li        | 0.0126     | 0.0225        | 115                  | 0.0136              | 0.0209              |
| 3. Juan Meng     | 0.0094     | 0.0081        | 16                   | 0.0094              | 0.0079              |
| 5. Zheyong Huang | 0.01       | 0.01          | 20                   | 0.01                | 0.01                |
| Total (95% CI)   | 194        | 385           | 100.0%               | -0.13 (-0.30, 0.04) | -0.13 (-0.30, 0.04) |

Heterogeneity: $Q = 4.10$, df = 3 ($P = 0.25$), $I^2 = 27$
Test for overall effect: $Z = 1.47$ ($P = 0.14$)

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### l. Urea

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | IV, Fixed, 95% CI | IV, Fixed, 95% CI |
|------------------|------------|----------------|----------------------|---------------------|---------------------|
| 1. Guang Yang    | 4.9064     | 1.6106        | 43                   | 5.0295              | 2.1125              |
| 2. Joo Li        | 15.0234    | 0.9071        | 115                  | 14.0895             | 5.309               |
| 3. Juan Meng     | 4.5886     | 1.5763        | 17                   | 4.6732              | 1.6594              |
| Total (95% CI)   | 175        | 353           | 100.0%               | 0.14 (-0.04, 0.32)  | 0.14 (-0.04, 0.32)  |

Heterogeneity: $Q = 2.28$, df = 2 ($P = 0.32$), $I^2 = 12$
Test for overall effect: $Z = 1.52$ ($P = 0.13$)

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### m. White blood cell

| Study or Subgroup | ACEI or ARB | Non-ACEI or ARB | Std. Mean Difference | IV, Fixed, 95% CI | IV, Fixed, 95% CI |
|------------------|------------|----------------|----------------------|---------------------|---------------------|
| 2. Joo Li        | 5.6945     | 2.3274        | 115                  | 5.8105              | 2.0879              |
| 3. Juan Meng     | 4.866      | 1.8957        | 17                   | 5.1032              | 1.2186              |
| 5. Zheyong Huang | 6.36       | 3.25          | 20                   | 6.62                | 2.77                |
| Total (95% CI)   | 152        | 302           | 100.0%               | 0.01 (-0.19, 0.20)  | 0.01 (-0.19, 0.20)  |

Heterogeneity: $Q = 0.40$, df = 2 ($P = 0.62$), $I^2 = 0$
Test for overall effect: $Z = 0.56$ ($P = 0.58$)