

Supplementary Figure 1: Kaplan-Meier curve of the time to clinical recovery in SOC plus arbidol tablets versus SOC group. SOC: Standard of care.



Supplementary Figure 2: Kaplan-Meier curve of the time to defervescence in SOC plus arbidol tablets versus SOC group. SOC: Standard of care.



Supplementary Figure 3: Flow diagram of the extra single-arm analysis. SOC: Standard of care.

**Supplementary Table 1: Baseline characteristics of the patients in the single-arm analysis.**

| **Characteristics** | **SOC plus arbidol****(*N*=200)** |
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| **Age (years)** | 48.00±12.13 |
| **Gender**Male | 74/200 (37.0) |
| **Han nationality** | 200 (100.0) |
| **Disease severity** |  |
| Mild | 45/200 (22.5) |
| Moderate | 109/200 (54.5) |
| Severe | 46/200 (23.0) |
| **Coexisting diseases** | 59/200 (29.5) |
| **Temperature (℃)** | 36.61±0.46 |
| **Symptoms** |  |
| Fever | 36/200 (18.0) |
| Acute hypoxia | 28/200 (14.0) |
| Oxygen therapy | 47/200 (23.5) |
| **Lab examination abnormal ratio** |  |
| WBC | 15/169 (8.9) |
| LYMPH | 28/169 (16.6) |
| PLT | 9/169 (5.3) |
| ALT | 43/160 (26.9) |
| AST | 20/160 (12.5) |
| ALB | 22/160 (13.8) |
| LDH | 12/160 (7.5) |
| CK | 6/157 (3.8) |
| CK-MB | 3/157 (1.9) |
| BUN | 11/160 (6.9) |
| CRE | 10/160 (6.3) |
| CRP | 34/167 (20.4) |
| **CT abnormal** | 168/180 (93.3) |

Data are presented as mean ± standard deviationor *n* (%). ALB: Albumin; ALT: Alanine aminotransferase; AST: Aspartate aminotransferase; BUN: Blood urea nitrogen; CK: Creatine kinase; CRE: Creatinine; CRP: C-reactive protein; CT: Computed tomography; LDH: Lactate dehydrogenase; LYMPHN: Lymphocyte count; PLT: Platelet count; SOC: Standard of care; WBC: White blood cell.