Appendix 2. Continued

|                    | Alive                      | Death within 30-day          |
|--------------------|----------------------------|------------------------------|
|                    | No ICU (n = 1,259) | ICU admission (n = 115) | P-value | No ICU (n = 295) | ICU admission (n = 63) | P-value |
| TCO2               | 20.8 (18.7–22.8)     | 19.3 (16.4–21.4)          | 0.043    | 21.3 (18.8–23.8) | 17.9 (16.5–20)          | <0.001  |
| NT-pro BNP         | 984.4 (213.3–3,102) | 1,450.5 (296.5–4,390)    | 0.003    | 1,794 (776.5–5,757) | 2,328 (1316.5–8,713.5)  | 0.237   |
| CURB-65            | 0 Score           | 480 (38.1)                | <0.001   | 81 (27.5)        | 12 (19.0)                | <0.001  |
|                    | 1 Score           | 557 (44.2)                |          | 129 (43.7)       | 15 (23.8)                |          |
|                    | 2 Score           | 186 (14.8)                |          | 56 (19.0)        | 20 (31.7)                |          |
|                    | 3 Score           | 33 (2.6)                  |          | 25 (8.5)         | 12 (19.0)                |          |
|                    | 4 Score           | 3 (0.2)                   |          | 4 (1.4)          | 3 (4.8)                  |          |
|                    | 5 Score           | 0 (0.0)                   |          | 0 (0.0)          | 1 (1.6)                  |          |

Values are presented as number (%) or median (interquartile range).
ICU, intensive care unit; BMI, body mass index; CAP, community-acquired pneumonia; HAP, hospital-acquired pneumonia; HCAP, health care-associated pneumonia; DM, diabetes mellitus; CHF, congestive heart failure; CVA, cerebrovascular accident; CKD, chronic kidney disease; SBP, systolic blood pressure; DBP, diastolic blood pressure; SpO2, peripheral capillary oxygen saturation; pCO2, partial pressure of carbon dioxide; WBC, white blood cell; ANC, absolute neutrophil count; BUN, blood urea nitrogen; PT, prothrombin time; INR, international normalized ratio; TCO2, total carbon dioxide; NT-pro BNP, N-terminal pro b-type natriuretic peptide.

Appendix 3. Comparison of receiver operating characteristics curves among the three models for 30-day mortality.