Supplementary Material 1. Questionnaire on the perception of intensivists on the appropriateness of intensive care unit admission

Term Definitions
1) Non-beneficial admission is defined when one of the following three conditions is satisfied: (1) serious underlying disease and irreversibility; (2) serious neurologic condition; and (3) imminent death within 7 days, which are defined as follows. First, “serious underlying disease and irreversibility” refers to end-stage disease with no further treatment available. For example, the “serious underlying disease” is stage IV lung cancer, and “irreversibility” refers to a condition in which there are no more drugs to use to improve lung cancer or a patient is no longer in a condition to be treated for a disease. Second, a “serious neurologic condition” is a condition evaluated to have difficulties in achieving recovery of meaningful consciousness in the future owing to serious neurological damage, such as severe brain injury. Third, “imminent death within 7 days” is defined as a condition in which death is predicted within a week because the current condition is very severe, and resuscitation is difficult even if intensive care is received.

2) Beneficial admission is defined when one of the following three conditions is satisfied: (1) a case that does not belong to any of the three abovementioned non-beneficial states, (2) when it is not expected that the patient would be dependent on life-sustaining treatment, and (3) when the patient is expected to recover after receiving intensive care and discharge from the intensive care unit (ICU) or the hospital.

3) Indeterminate state is defined when the decision is withheld when a patient’s overall status remains at the boundary between non-beneficial and beneficial admissions and it is difficult to determine either state.

I. Day 1 (ICU admission)
Question 1) According to the abovementioned definitions, do you think this patient’s ICU admission will be beneficial or non-beneficial? If it is difficult to decide based on the current state alone, please select indeterminate.
1) Non-beneficial
2) Beneficial
3) Indeterminate

Question 2) If you perceived it as non-beneficial, why did you judge it that way?
1) Serious underlying disease and its irreversibility
2) Serious neurologic condition
3) Imminent death within 7 days

II. Day 3 (48–72 hours after ICU admission)
Question 1) According to the abovementioned definitions, do you think this patient’s ICU admission will be beneficial or non-beneficial? If it is difficult to decide based on the current state alone, please select indeterminate.
1) Non-beneficial
2) Beneficial
3) Indeterminate

Question 2) If you perceived it as non-beneficial, why did you judge it that way?
1) Serious underlying disease and its irreversibility
2) Serious neurologic condition
3) Imminent death within 7 days