**Supplement 1**

**Table S1:** PPC severity score (modified from references in text [39-42]

|  |  |
| --- | --- |
| **PPC Score** | **Operational Definitions** |
| **Grade 0** | No PPC |
| **Grade 1**  (1 of the items) | * a dry cough * micro atelectasis: abnormal auscultatory findings and temperature ≥ 37.5°C without another documented cause with normal X-ray of the lungs * dyspnea without another documented cause |
| **Grade 2**  (2 of the items) | * productive cough without another documented cause * bronchospasm - new wheezing or old wheezing that requires a change in therapy * hypoxemia in room air (SpO2 ≤ 90%) * radiologically confirmed atelectasis (two independent experts) plus: temperature >37.5°C or abnormal auscultatory findings * hypercarbia requiring treatment (PaCO2>50 mm Hg) |
| **Grade 3**  (1 of the items) | * pleural effusion requiring thoracentesis * pneumonia: radiological confirmation (two independent experts) plus clinical symptoms (two of the following: leukocytosis or leukopenia, abnormal temperature, purulent discharge) plus isolation of the causative agent (G+ or G- culture) or necessary change of antibiotic therapy * pneumothorax * prolonged non-invasive ventilation due to all three reasons: a) SpO2 ≤ 92% on oxygen supplementation, b) oxygen supplementation >5L, c) RR≥30 bpm * postoperative intubation or reintubation, i.e. dependence on mechanical ventilation (invasive or non-invasive) lasting less than 48 hours |
| **Grade 4** | Ventilatory insufficiency: postoperative dependence on mechanical ventilation for more than 48 hours or reintubation with subsequent dependence on mechanical ventilation for more than 48 hours |
| **Grade 5** | Death before hospital discharge |

**Figure S1:** PPC by grade**.**

**A chart of a number of colored squares

Description automatically generated with medium confidence**

**Figure S2:** Dynamics of inflammatory markers

A group of graphs showing different types of lines

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**Figure S3:** Dynamics of GFR < 60mL/min

A graph of numbers and a number of individuals

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