



Supplemental file 1.

Ventilation management in a patient with ventilation-perfusion mismatch in the early phase of lung injury and during the recovery

Cicvarić Ana^{1,2*}, Josipa Glavaš Tahtler^{1,2}, Tajana Turk^{1,3}, Sanda Škrinjarić - Cincar⁴, Despoina Koulenti⁵, Nenad Nešković^{1,2}, Mia Edl¹, Slavica Kvolik^{1,2*}

¹Faculty of Medicine, Josip Juraj Strossmayer University of Osijek, Osijek, Croatia

²Osijek University Hospital, Department of anesthesiology, reanimatology and intensive care, Osijek, Croatia

³Osijek University Hospital, Department of Radiology, Osijek, Croatia

⁴Osijek University Hospital, Department of Pulmology, Osijek, Croatia

⁵Attikon University Hospital, 2nd Critical Care Department, Athens, Greece; UQ Centre for Clinical Research, Faculty of Medicine, The University of Queensland, Brisbane, Australia

* Correspondence: *Ana Cicvarić, M.D. email: annikaa.dv@gmail.com, tel: +385 31 511 511 ORCID id: 0000-0001-9674-6859, Osijek University Hospital, Department of Anesthesiology, Osijek, Croatia, Faculty of Medicine, Josip Juraj Strossmayer University of Osijek, Osijek, Croatia; Josipa Huttlera 4, 31000, Osijek

*Slavica Kvolik, skvolik@mefos.hr, Faculty of Medicine, Josip Juraj Strossmayer University of Osijek; Osijek University Hospital, Department of anesthesiology, reanimatology and intensive care, Osijek, Croatia

Table S1 Laboratory indicators in the patient with severe lung injury and pneumonia caused by *Stenotrophomonas maltophilia*.

| Day | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| WBC(x10⁹/L) | 3.6 | 5.3 | 17.6 | 30.2 | 25.4 | 18.9 | 16.7 | 18.3 | 23.6 | 20.3 | 18.6 | 19.1 | 19.4 | 16.7 | 18.05 | 16.3 | 12.8 | 12.1 | 15.8 | 13.4 | 12.7 | 13 |
| CRP(mg/L) | 523.9 | 388.7 | 428 | | 246.4 | 218.5 | 147.4 | 207.9 | 153.5 | 228.7 | | 145.5 | 164.5 | 191.5 | | 203 | 183.9 | 188.4 | 192.1 | 190 | 222.1 | 159.2 |
| PCT(ng/mL) | | 35.88 | 44.55 | 28.36 | 13.97 | 7.32 | 3.43 | 1.53 | 0.93 | 0.65 | | | | | | | | | | | | |
| RBC(x10¹²/L) | 4.12 | 3.67 | 3.86 | 3.29 | 3.54 | 3.47 | 3.34 | 3.23 | 3.15 | 2.99 | 2.63 | 2.88 | 2.71 | 2.87 | 3.03 | 2.85 | 2.68 | 2.98 | 2.92 | 3.14 | 2.96 | 2.85 |
| Hb(g/L) | 132 | 118 | 125 | 105 | 114 | 111 | 107 | 103 | 102 | 96 | 86 | 92 | 87 | 92 | 93 | 89 | 85 | 93 | 91 | 96 | 89 | 87 |
| Hct(L/L) | 0.384 | 0.343 | 0.363 | 0.315 | 0.34 | 0.335 | 0.326 | 0.322 | 0.312 | 0.298 | 0.255 | 0.276 | 0.262 | 0.27 | 0.289 | 0.275 | 0.26 | 0.28 | 0.274 | 0.299 | 0.284 | 0.274 |
| PLT(x10⁹/L) | 180 | 138 | 158 | 121 | 105 | 67 | 60 | 68 | 135 | 190 | 251 | 335 | 378 | 349 | 362 | 361 | 316 | 295 | 280 | 244 | 309 | 312 |
| Fibrinogen (g/L) | | | | | | | | | 3.9 | | | | | | | | | | | | 4.4 | |
| Na(mmol/L) | 135 | 138 | 145 | 145 | 147 | 152 | 151 | 149 | 148 | 148 | 143 | 142 | 143 | 143 | 141 | 141 | 141 | 142 | 139 | 142 | 140 | 138 |
| K(mmol/L) | 4.8 | 4.3 | 4.7 | 4 | 4.2 | 4.2 | 3.9 | 3.7 | 3.4 | 3.8 | 3.6 | 4 | 3.8 | 3.8 | 4.1 | 4.1 | 3.9 | 3.9 | 4 | 4 | 4.4 | 4.4 |
| Albumin (g/L) | | | 21.8 | 18.8 | 23.9 | | | 18.6 | 18.5 | | | 19.9 | | | | 22.4 | | | | 23.4 | | |

Note. WBC-white blood cell; CRP-C-reactive protein; PCT-procalcitonin; RBC-red blood cell; Hb-hemoglobin; Hct-hematocrit; PLT-platelet count; PT-prothrombin time; INR-international normalized ratio; aPTT-activated partial thromboplastin time; Na-sodium; K-potassium

28

29

30

31

32

33