

## SUPPLEMENTAL FILE

**Table S1: Baseline characteristics, severity and respiratory support in initial CAP cohort.**

	<i>Initial CAP cohort (n=1115)</i>
<i>Age, years, median (1<sup>st</sup> quartile, 3<sup>rd</sup> quartile)</i>	72 (59,81)
<i>Male sex, no. (%)</i>	693 (62.2)
<i>Current or former smokers, no. (%)</i>	650 (59.9)
<i>Coexisting conditions, no. (%)</i>	
<i>HTA</i>	591 (53.2)
<i>Diabetes</i>	308 (27.6)
<i>Dyslipidemia</i>	233 (42.7)
<i>Overweight*</i>	327 (29.5)
<i>COPD</i>	228 (20.5)
<i>Asthma</i>	86 (7.7)
<i>Chronic heart disease</i>	373 (33.5)
<i>Chronic renal disease</i>	149 (13.4)
<i>Neurological disease</i>	185 (16.6)
<i>SpO2/FiO2 at admission, median (1<sup>st</sup> quartile, 3<sup>rd</sup> quartile)</i>	442.9 (417.6, 456.7)
<i>Bilateral infiltrates at admission, no. (%)</i>	203 (18.2)
<i>Maximum respiratory support, no. (%)</i>	
<i>No respiratory support</i>	434 (39.3)
<i>O2 nasal cannula</i>	442 (40)
<i>O2 venturi/reservoir mask</i>	155 (14)
<i>HFNC/CPAP/NIMV</i>	48 (4.3)
<i>MV</i>	25 (2.3)

*\*Body mass index  $\geq 25$ .*

**Table S2: Characteristics of healthy controls.**

	<i>Healthy controls (n=50)</i>
<i>Age, years, median (1<sup>st</sup> quartile, 3<sup>rd</sup> quartile)</i>	<i>43 (40,49)</i>
<i>Male sex, no. (%)</i>	<i>17 (34)</i>
<i>Current or former smokers, no. (%)</i>	<i>5 (10)</i>
<i>Coexisting conditions, no. (%)</i>	
<i>HTA</i>	<i>3 (6)</i>
<i>Diabetes</i>	<i>0 (0)</i>
<i>Dyslipidemia</i>	<i>4 (8)</i>
<i>Overweight*</i>	<i>NA</i>
<i>COPD</i>	<i>0 (0)</i>
<i>Asthma</i>	<i>1 (2)</i>
<i>Chronic heart disease</i>	<i>1 (2)</i>
<i>Chronic renal disease</i>	<i>0 (0)</i>
<i>Neurological disease</i>	<i>0 (0)</i>

*NA: not available. \*Body mass index  $\geq 25$*