

**Figure S1.** Scatter plot depicting the relationship between COVID-19 clinical severity and radiological severity on chest CT. When two chest CT scans were performed during hospital stay, the image with the highest radiological severity was considered for the purpose of analysis.

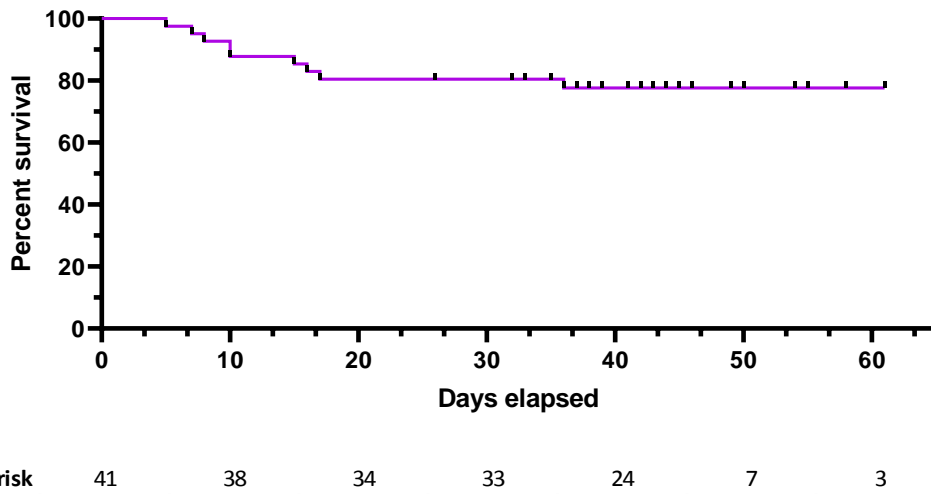




\*Biological data are not available

AZ: azithromycin, CRP: C-reactive protein, CS: high steroids dose (intravenous dexamethasone and intravenous methylprednisolone), HC: hydroxychloroquine, IL-6: interleukin 6, LR: lopinavir-ritonavir

**Figure S2.** Timeline for each hospitalized patient, which includes COVID-19 treatment, the evolution of CRP (figure S2a) and IL-6 (figure S2b) over time, and the clinical outcome. Each line represents a patient, whereas one box denotes one day (days from the onset of symptoms). Gray boxes indicate the days before Covid-19 diagnosis. White boxes denote the days required a hospitalization in a conventional unit. Orange boxes represent the days of hospitalization in an intensive care unit whereas red boxes represent the day of death. Green boxes denote days of follow-up after hospital discharge. Vertical black lines denote the end of follow-up.



**Figure S3.** Kaplan-Meier plot of COVID-19-free survival (30-day mortality rate: 19.5%).