

CYTOMEGALOVIRUS BLOOD REACTIVATION IN COVID-19 CRITICALLY ILL PATIENTS: RISK FACTORS

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Background:

- ✓ Cytomegalovirus (CMV) reactivation in immunocompetent critically ill patients occurs commonly
- ✓ It is related to increase risk of mortality and secondary infection

Aim:

To determine the occurrence of CMV reactivation and the risk factors associated with it in severe COVID-19 patients admitted to the intensive care unit (ICU)

Admitted in ICU patients from February 2020 to July 2021 with confirmed SARS-CoV-2 infection and acute respiratory distress syndrome

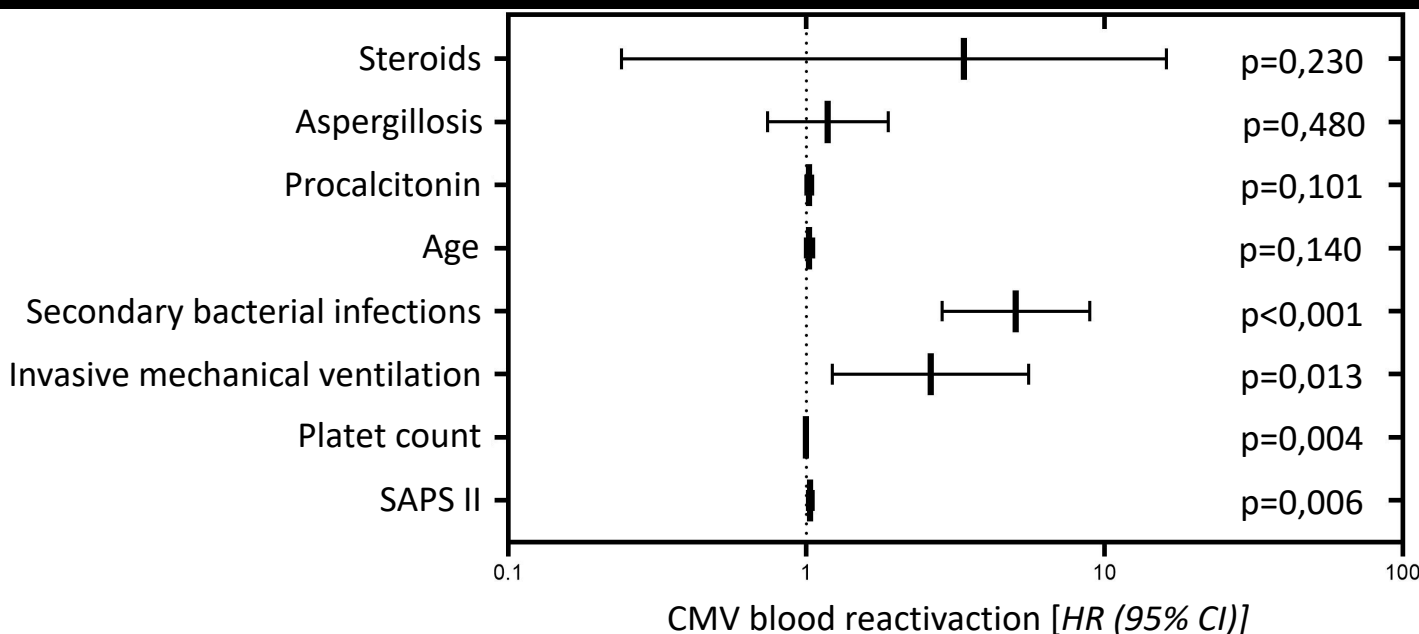
Blood quantitative CMV-DNAemia:

- ✓ ICU admission
- ✓ once or twice weekly

431

CMV reactivation
88 (20,4%)

No CMV reactivation
343 (79,6%)



Conclusion:

In COVID-19 ICU patients, CMV blood reactivation were associated with the severity of illness and secondary bacterial infection