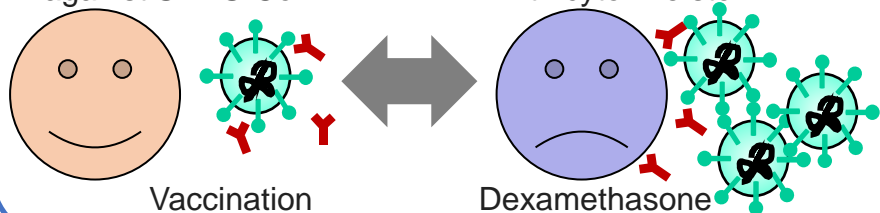


Does cross-reactive immunity against seasonal HCoV and SARS-CoV-2 reduce the severity of COVID-19 ?

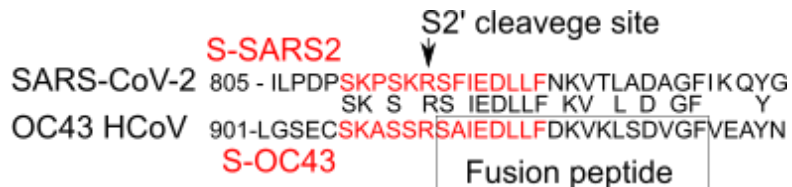
The conflict role of immunity in COVID-19

Protective
against SARS-CoV-2

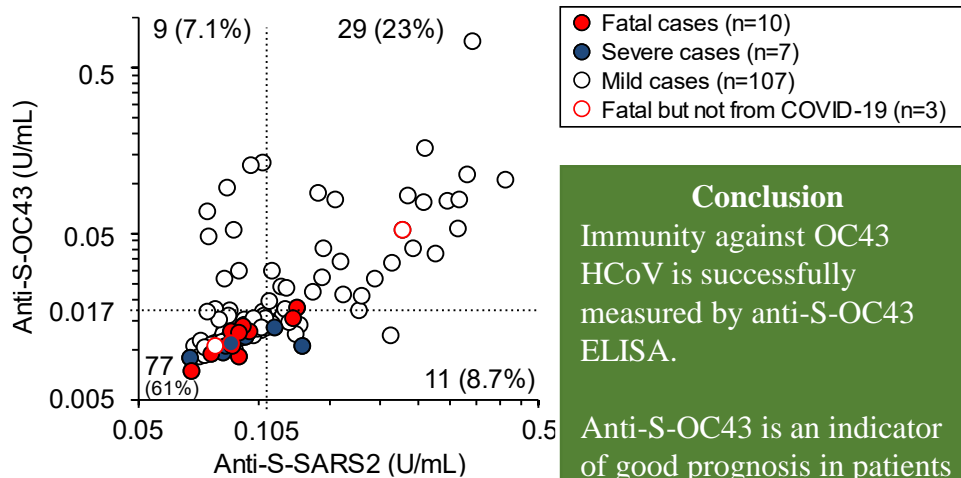
Pathogenic
with cytokine storm



Immunogenic epitope in S2 protein



Antibody titers in COVID-19 hospitalized patients



Conclusion

Immunity against OC43 HCoV is successfully measured by anti-S-OC43 ELISA.

Anti-S-OC43 is an indicator of good prognosis in patients hospitalized with COVID-19.