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For Immediate Release

## ***SARS-CoV-2 Potentiates Platelet Aggregation and ATP Release***

Havertown, PA – Here is a link to an article recently published in the Journal of Hematology & Oncology, (2020) 13:120, where the CHRONO-LOG® Model 700, Lumi-Aggregation System, was used to test platelet Aggregation and ATP release with COVID-19 patients: <https://rdcu.be/b9rdM>.

As reported by clinicians working with COVID-19 patients, many experienced thrombotic disorders, DIC and thrombocytopenia. To date, hypercoagulability has been identified amongst these patients and treatment options have included continuation of anti-platelet drug therapies with those patients at risk due to cardiovascular disease.

In this study, Platelet Aggregation and ATP Release was measured in washed platelet samples activated with thrombin, collagen and/or ADP following addition of SARS-CoV-2 PFU or Spike protein to the samples. It was shown that SARS-CoV-2 dose-dependently potentiated Platelet Aggregation to thrombin and ADP and consistently increased dense granule ATP Release when activated with collagen and thrombin. The authors state that SARS-CoV-2 virus directly activates platelets and potentiates their prothrombotic function and inflammatory response via Spike/ACE2 interactions.

It was concluded that, “considering the role of platelets in thrombosis, coagulation and the immune response, our study sheds new insight into possible anti-platelet treatment options for thrombosis in COVID-19 patients.”

### ***Citation:***

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