Cerebral Venous Sinus Thrombosis (CVST): an emerging complication of SARS CoV-2 infection

Nicola Maggialelli

University Hospital Polyclinic of Bari: Azienda Ospedaliero-Universitaria Consorziale Policlinico di Bari

GUALANO ALESSANDRA (✉ alegualano@gmail.com)

University Hospital Polyclinic of Bari: Azienda Ospedaliero-Universitaria Consorziale Policlinico di Bari

<https://orcid.org/0000-0002-6231-0229>

Roberto Russo

University Hospital Polyclinic of Bari: Azienda Ospedaliero-Universitaria Consorziale Policlinico di Bari

Rocco Umberto Accogli

University Hospital Polyclinic of Bari: Azienda Ospedaliero-Universitaria Consorziale Policlinico di Bari

Amato Antonio Stabile Ianora

University Hospital Polyclinic of Bari: Azienda Ospedaliero-Universitaria Consorziale Policlinico di Bari

Case report

Keywords: SARS-CoV-2, COVID-19, CVST, Headache, Venous thromboembolism, Coagulation

Posted Date: May 13th, 2021

DOI: <https://doi.org/10.21203/rs.3.rs-465139/v1>

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Abstract

Background: During Coronavirus (COVID-19) pandemic, SARS CoV-2 infection has been documented to be associated with thrombotic complications, especially pulmonary embolism, which are triggered by virus binding to ACE-2 receptors and consequent activation of a cascade leading to a hypercoagulable pathway, however Cerebral Venous Sinus Thrombosis (CVST) is emerging as a further thrombotic complication of COVID-19.

Case presentation: We report our experience of a patient affected by SARS CoV-2 infection, who presented to our emergency department with neurological symptoms such as confusion and headache and was diagnosed with CVST at imaging exams.

Conclusion: As neurological symptoms such as confusion and headache are aspecific and shared with patients affected by SARS CoV-2 infection in absence of CVST, clinicians should be aware of this emerging hematologic complication in order to recognize it as soon as possible and provide the best patient care.

Full Text

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