



FOR IMMEDIATE RELEASE

BioSerenity, leader in Healthcare as a Service (HaaS), helps advance understanding of Covid-19 Neurological impact.

Paris and Atlanta, June 15th 2020 – **BioSerenity, a high growth company specializing in remote diagnostic solutions for Neurology, Sleep Medicine and Cardiology** has had an article published in Annals of Neurology describing unusual electroencephalogram (EEG) findings in seriously ill patients with SARS-CoV-2 (COVID-19).

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25814>

Over-crowded ICUs and closure of non-essential operations in hospitals created a challenge to perform EEGs. BioSerenity offers EEG services using remotely connected equipment enabling testing outside of traditional departments. In this case, the hospitals requested BioSerenity to perform EEGs in the Intensive Care Units (ICUs) during the initial surge of COVID-19 patients. The data was reviewed remotely by BioSerenity's specialists and shared with the hospitals' medical staff. In the process, via these collaborations, we were one of the first to discover EEG anomalies likely associated with COVID-19.

Patients presented with either altered mental status, or had delayed awakening or poor arousal after being taken off sedation. EEGs were performed on these patients while in the ICU at several hospitals in Paris, France. The EEGs showed evidence of frontal brain abnormalities possibility due to COVID-19 related brain injury. Therefore, when hospitalized patients infected with COVID-19 present with an unexplained mental status change or poor arousability, it is suggested that an EEG be performed as part of the diagnostic assessment to determine the etiology and to identify potentially treatable Central Nervous System (CNS) disorders.

BioSerenity will be providing data to help physician's diagnose over 30,000 patients suffering from neurological disorders this year. We are excited to report our discovery to assist medical professionals treating COVID-19 patients.

According to Dr. Bruce Lavin, Chief Medical Officer, "This report highlights the importance of obtaining EEGs in patients with COVID-19 who present with cognitive impairment to identify possible brain injury, directly or indirectly due to the virus."

Dr. Samir Medjebar, General Manager of BioSerenity France adds, “BioSerenity has demonstrated that our scale and scope of services allow us to provide 24/7 hospital assistance during a crisis and a high capacity to detect new EEG findings.”

Louis Maillard, Professor at Lorraine University, France, commented that, “This study gives a possible explanation for the comas and delayed awakening and arousal observed in some of the most severe cases of Covid-19 infections. It shows the importance of EEG, an old but still relevant exam, that can be done at the patient bedside and the only exam that allows for the functional state evaluation of the brain.”

Professor Hervé Vespignani, BioSerenity France Medical Director, concludes, “This discovery confirms the importance of performing EEG at the patient’s bed.”

About Bioserenity

Founded in 2014 and headquartered in Paris, France, and Atlanta, GA, USA, BioSerenity is an innovative medical technology company focused on Healthcare as a Service, IoMT, A.I. and real world evidence in Neurology, Sleep Medicine, and Cardiology. BioSerenity provides remote diagnostic services through its divisions of SleepMed and Digitrace in the USA, and Neurophy and Cardiophy in France. BioSerenity is also the preferred provider for several Contract Research Organizations (CROs) and prominent university medical facilities across the US, France, and other parts of the world for hospital and ambulatory diagnostic services in Neurology, Cardiology, and Sleep Medicine.

For more information about the company and our Neurophy Services : www.bioserenity.com

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