

Prevalence Of Neurological Symptoms Associated with COVID 19

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Abstract : Objective: To better understand the prevalence of neurological symptoms associated with COVID-19, several factors, such as age, gender, and comorbidity, are explored to create a more holistic understanding of the impact of COVID-19. Methods: After meeting inclusion and exclusion criteria, 111 patients admitted to Ibne Sina Hospital were recruited between October 2021 and February 2022. A descriptive statistical analysis was conducted to summarize patients' most often encountered signs and symptoms concerning the above parameters. Results: Out of 111 patients, a significant proportion of symptoms occurred in patients aged 40-60 years, with Dysgeusia being the most widespread (75.5%), followed by Encephalitis (45.9%), GBS (28.8%), Encephalopathy (18.9%), and Ischemic Stroke (6.3%). These were most prevalent in hypertensive individuals (46%) and Diabetes Mellitus (31%). In asthmatic individuals, they are the least prevalent (10.8%). Conclusion: Despite the predominance of neurological manifestations, the present scientific literature cannot demonstrate a definitive causal association between the symptoms and the virus. This study carefully ensures a link between age, gender, and comorbidity, along with the prevalence of neurological manifestations of COVID-19. For a comprehensive treatment plan, a holistic understanding of symptoms is critical.

Keywords : COVID 19, neurological association, GBS, Encephalitis

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