Neurologic manifestations and COVID-19

Manifestaciones neurológicas y COVID-19

Viroj Wiwanitkit*

D. Y. Patil University, Community Medicine Department, Pune, India

In the article by Jiménez-Ruiz et al., entitled “Neurologic manifestations of COVID-19”,¹ it was concluded that “we must bear in mind infectious and non-infectious complications that affect the nervous system such as encephalitis, seizures, Guillain-Barre syndrome, disseminated encephalomyelitis and hemorrhagic leuko-encephalitis, which are disorders that can occur during or after viral infections. A neurological symptom could be the first manifestation of COVID-19.”¹ In fact, COVID-19 can give rise to numerous atypical presentations, making diagnosis difficult;² however, concurrent neurological problem represents a significant complication. A patient with COVID-19 might have an underlying neurological disorder, such as epilepsy or

cerebrovascular infarction, which could lead to a more complex clinical course. In addition, there is the possibility of another concurrent medical disorder, such as coinfection, which can trigger neurological disorders in patients with COVID-19. A good example is concurrent dengue and COVID-19 infection.³

References

1. Jiménez-Ruiz A, García-Grimshaw M, Ruiz-Sandoval JL. Manifestaciones neurológicas de COVID-19. *Gac Med Mex.* 2020;156:257.
2. Tin SS, Wiwanitkit V. Uncommon atypical presentations of COVID-19: Important and should not be under recognized! *J Health Med Sci Res.* 2020;38:153-158.
3. Magalhaes T, Chalegre KDM, Braga C, Foy BD. The endless challenges of arboviral diseases in Brazil. *Trop Med Infect Dis.* 2020;5:E75.

Correspondence:

*Viroj Wiwanitkit

E-mail: vviroj@yahoo.com

Date of reception: 16-06-2020

Date of acceptance: 18-06-2020

DOI: 10.24875/GMM.M20000413

Gac Med Mex. 2020;156:360

Contents available at PubMed

www.gacetamedicademexico.com

0016-3813/© 2020 Academia Nacional de Medicina de México, A.C.. Published by Permanyer. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).