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A variant of Guillain-Barre syndrome after SARS-CoV-2 vaccination: AMSAN

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Introduction - Coronavirus disease 2019 (COVID-19) is a respiratory infection that has rapidly become a global pandemic and vaccines against SARS-CoV-2 have been developed with great success. In this article, we would like to present a patient who developed Guillain-Barré syndrome (GBS), which is a serious complication after receiving the inactive SARS-CoV-2 vaccine (CoronaVac). **Case report** - A 76-year-old male patient presented to the emergency department with nine days of progressive limb weakness. Two weeks prior to admission, he received the second dose of CoronaVac vaccine. Motor examination revealed decreased extremity strength with 3/5 in the lower extremities versus 4/5 in the upper extremities. Deep tendon reflexes were absent in all four extremities. Nerve conduction studies showed predominantly reduced amplitude in both motor and sensory nerves, consistent with AMSAN (acute motor and sensory axonal neuropathy). **Conclusion** - Clinicians should be aware of the neurological complications or other side effects associated with COVID-19 vaccination so that early treatment can be an option.

Keywords: AMSAN; Guillain-Barré syndrome; SARS-CoV-2 vaccines.

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