

## SARS-COV-2-vaccine-inactivated-Sinovac-Biotech

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### Acute prolonged motor aura: case report

A 24-year-old woman developed acute prolonged motor aura following vaccination with SARS-COV-2-vaccine-inactivated-Sinovac-Biotech against COVID-19 [*route and dosage not stated*].

The woman received her first dose of SARS-COV-2-vaccine-inactivated-Sinovac-Biotech [CoronaVac]. After 15 minutes, she developed visual disturbance in both eyes, nausea and vomiting. She was transferred to the emergency department. Her medical history was significant for menstrual-related migraines without aura which occurred 2-3 times a year. After 20 minutes, she reported a tingling sensation over the left arm fingers. Brain CT revealed no evidence of infarction. However, after CT scan, she developed numbness and weakness in her left leg. MRI was inconclusive.

The woman was treated with aspirin. On the next day, she developed a pulsatile headache radiating to the neck resembling like migraine. She received ibuprofen and her condition improved. Her numbness and weakness did not improve for the next 2 days. She was transferred to the hospital for further investigations. She had a moderate degree of left hemiparesis of leg and arm (MRC III). Numbness was dense over her left side of face and left arm. Her left leg had a decreased pinprick sensation along with decreased arm tone. MRA indicated vasospasm. She was treated with nimodipine. A single photon emission CT with Tc-99m ethylcysteinate dimer revealed hypoperfusion to the right cerebral hemisphere. After 2 days of admission (5 days after vaccination and symptoms onset) the weakness and numbness resolved gradually. She was diagnosed with acute prolonged motor aura secondary to vaccination with SARS-COV-2-vaccine-inactivated-Sinovac-Biotech.

Rattanawong W, et al. Acute prolonged motor aura resembling ischemic stroke after COVID - 19 vaccination (CoronaVac): the first case report. *Journal of Headache and Pain* 22: No. 1, 12 Aug 2021. Available from: URL: <http://doi.org/10.1186/s10194-021-01311-w>

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