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Cerebral Kounis Syndrome—A Rare Case Report of Cerebral Vasospasm Following Anaphylaxis

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Abstract

Introduction: Kounis syndrome describes anaphylaxis-induced coronary vasospasm and is often misdiagnosed as acute coronary syndrome. We report a similar phenomenon of cerebral vasospasm following anaphylaxis, a rare and under-recognized mimic of stroke. **Case Report:** A previously healthy 45-year-old gentleman developed sudden right-sided hemiparesis and dysarthria while working outdoors, accompanied by generalized pruritus, rash, presyncope, dyspnea, palpitation, and abdominal pain. He received prompt intramuscular epinephrine and other anti-inflammatory agents, resulting in rapid symptom resolution and complete recovery in the emergency department. Computed tomography of the brain and other studies were unremarkable. This case underscores a rare neurological manifestation of anaphylaxis. **Conclusion:** Cerebral vasospasm is an unusual sequela of anaphylaxis that may lead to a diagnostic dilemma. Prompt administration of epinephrine is crucial for recovery. This case highlights the association between hypersensitivity reactions and cerebrovascular events, emphasizing the need for early recognition and timely intervention. © 2026 Ismail et al.

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