

Anaphylaxis versus immunization stress-related response

	Anaphylaxis	Vaso-vagal syncope	Sympathetic stress reaction
Onset	Shortly (5-60 minutes) after vaccination	Before, during or shortly (<5 min) after vaccination	Before, during or soon after vaccination
Skin	Hives, swollen eyes and face, generalized rash	Pale, sweaty, cold, clammy	Pale, sweaty, cold, clammy
Respiratory	Cough, wheezing, stridor	Normal to deep breathing	Rapid and shallow (hyperventilation)
Cardio-vascular	↑ heart rate, ↓ blood pressure, dysrhythmias, cardiac arrest	↓ heart rate, +/-transient ↓ blood pressure	↑ heart rate, normal or ↑ systolic blood pressure
Gastro-intestinal	Nausea, vomiting, abdominal cramps	Nausea, vomiting	Nausea, vomiting
Neurologic	Uneasiness, restlessness, agitation, loss of consciousness, little response once supine	Transient loss of consciousness, good response once supine, tonic/clonic seizure	Fearful, light-headed, weakness, numbness/tingling sensation on face, spasms hands/feet