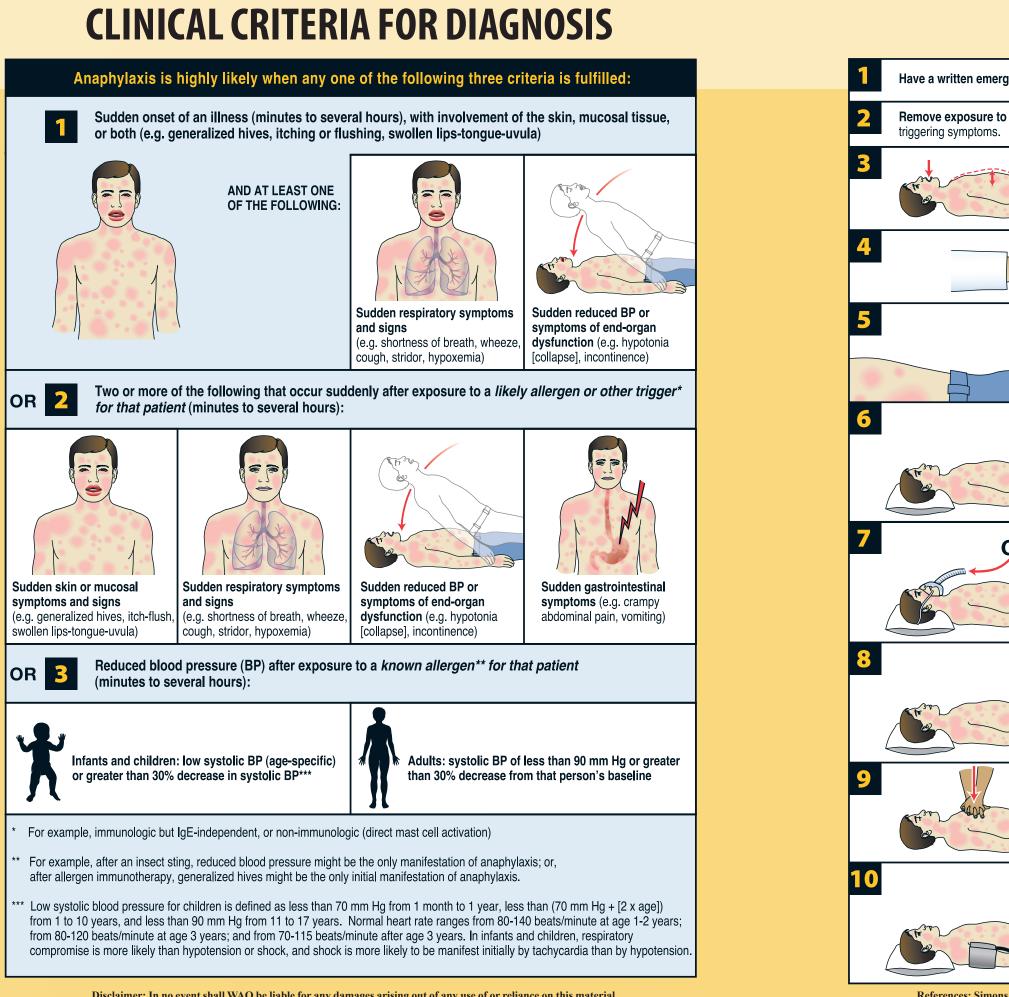
## **ANAPHYLAXIS: DIAGNOSIS AND TREATMENT**



Disclaimer: In no event shall WAO be liable for any damages arising out of any use of or reliance on this material (see www.worldallergy.org for full disclaimer). Not for commercial use.





## **INITIAL TREATMENT**

Have a written emergency protocol for recognition and treatment of anaphylaxis and rehearse it regularly.

Remove exposure to the trigger if possible, eg. discontinue an intravenous diagnostic or therapeutic agent that seems to be

	Assess the patient's circulation, airway, breathing, mental status, skin, and body weight (mass).
	Promptly and simultaneously, perform steps 4, 5 and 6.
	<b>Call for help:</b> resuscitation team (hospital) or emergency medical services (community) if available.
	<b>Inject epinephrine</b> (adrenaline) intramuscularly in the mid-anterolateral aspect of the thigh, 0.01 mg/kg of a 1:1,000 (1 mg/mL) solution, maximum of 0.5 mg (adult) or 0.3 mg (child); <b>record the time of the dose and repeat it</b> in 5-15 minutes, if needed. Most patients respond to 1 or 2 doses.
	Place patient on the back or in a position of comfort if there is respiratory distress and/or vomiting; elevate the lower extremities; fatality can occur within seconds if patient stands or sits suddenly.
	When indicated, give high-flow supplemental oxygen (6-8 L/minute), by face mask or oropharyngeal airway.
0.9% NaCl	Establish intravenous access using needles or catheters with wide-bore cannulae (14 - 16 gauge). When indicated, give 1-2 litres of 0.9% (isotonic) saline rapidly (e.g. 5-10 mL/kg in the first 5-10 minutes to an adult; 10 mL/kg to a child).
	When indicated at any time, perform cardiopulmonary resuscitation with continuous chest compressions and rescue breathing.
~	In addition,
	At frequent, regular intervals, monitor patient's blood pressure, cardiac rate and function, respiratory status, and oxygenation (monitor continuously, if possible).

References: Simons FER et al, for the WAO. J Allergy Clin Immunol 2011;127:587-93.e22 and WAO Journal 2011;4:13-36 Illustrator: Jacqueline Schaffer