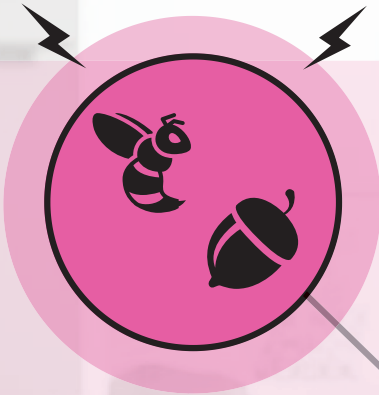




Anaphylactic Shock

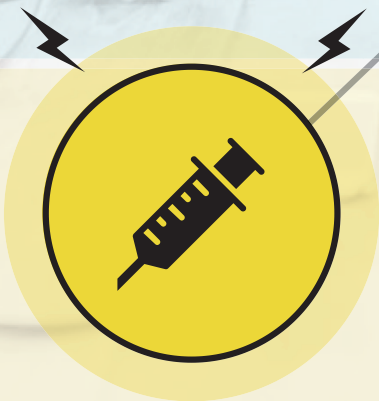


Causes

- **Hymenoptera** (eg, bee) stings
- **Food** (eg, nuts)
- **Drug** (eg, penicillin)
- Plasma proteins in **transfusion** (patients with IgA deficiency)
- *Echinococcus granulosus* cyst rupture

Cascade

- IgE degranulates **mast cells**
- **Histamine** and tryptase released
- Sudden drop in **SVR & PCWP**
- Compensatory increase in cardiac output
- **Distributive shock** (warm and dry)
- Chemokines and cytokines cause tissue damage



Care

- Airway management
- IM epinephrine (1:1000)
- Anti-H1 and anti-H2
- Steroids

