Anaphylactic reaction?

Airway, Breathing, Circulation, Disability, Exposure

**Diagnosis - look for:**
- Acute onset of illness
- Life-threatening Airway and/or Breathing and/or Circulation problems
- And usually skin changes

- **Call for help**
  - Lie patient flat
  - Raise patient's legs

- **Adrenaline**

**When skills and equipment available:**
- Establish airway
- High flow oxygen
- IV fluid challenge
- Chlorphenamine
- Hydrocortisone

**Monitor:**
- Pulse oximetry
- ECG
- Blood pressure

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**1 Life-threatening problems:**
- **Airway:** swelling, hoarseness, stridor
- **Breathing:** rapid breathing, wheeze, fatigue, cyanosis, $\text{SpO}_2 < 92\%$, confusion
- **Circulation:** pale, clammy, low blood pressure, faintness, drowsy/coma

**2 Adrenaline (give IM unless experienced with IV adrenaline)**
- IM doses of 1:1000 adrenaline (repeat after 5 min if no better)
  - Adult: 500 micrograms IM (0.5 mL)
  - Child more than 12 years: 500 micrograms IM (0.5 mL)
  - Child 6-12 years: 300 micrograms IM (0.3 mL)
  - Child less than 6 years: 150 micrograms IM (0.15 mL)

Adrenaline IV to be given **only by experienced specialists**
- Titrate: Adults 50 micrograms; Children 1 microgram/kg

**3 IV fluid challenge:**
- Adult: 500 – 1000 mL
- Child: crystalloid 20 mL/kg

Stop IV colloid if this might be the cause of anaphylaxis

**4 Chlorphenamine**
- (IM or slow IV)
  - Adult or child more than 12 years: 10 mg
  - Child 6 - 12 years: 5 mg
  - Child 6 months to 6 years: 2.5 mg
  - Child less than 6 months: 250 micrograms/kg

**5 Hydrocortisone**
- (IM or slow IV)
  - 200 mg
  - 100 mg
  - 50 mg
  - 25 mg