

Hyperthermia

Features

- Temperature >40°C
- Tachycardia
- Tachypnea
- Hypotension
- Muscle rigidity
- Altered GCS

Investigations

- Rectal or oesophageal thermometer
- ECG
- CXR
- Bloods: FBC, U&Es, LFTs, clotting, VBG, calcium, phosphate, CK
- Consider paracetamol and salicylate levels
- CT head

Management

- Cold IV fluids in 250 mL boluses (to avoid pulmonary oedema)
- Strip patient
- Spray with cold tap water mist and set fans on patient
- Ice packs to neck, groins and axillae
- Consider ice packs to cheeks, palms and soles
- Catheter
- IV benzodiazepines for shivering or seizures

Information

- Cold fluids in fridge in resus
- Bags for ice and spray bottles in box
- Ice in freezer in staff room or send porter to Pebbles Restaurant
- Consider referral to HDU/ITU

Benzodiazepines

- Midazolam: 0.1-0.2 mg/kg to a max of 4 mg
- Lorazepam: 0.1 mg/kg to a max dose of 4 mg

Dantrolene

- **Only** for use in malignant hyperthermia
- 2.5 mg/kg IV initially
- Repeat doses of 1 mg/kg (max dose of 10 mg/kg)