Antihistamines Austin Toxicity varies between antihistamines but is generally dose dependent. Anticholinergic delirium + arrhythmias are features of severe toxicity. **Toxicity / Risk Assessment Management** Supportive care is the mainstay of management Sedating Antihistamines: **Decontamination** - Promethazine: sedation, 33% incidence of anticholinergic Activated charcoal should be offered to alert cooperative patients within 2 hours of ingestion delirium with ingestions > 250 mg (50% > 1000 mg)**Agitation** - Diphenhydramine: > 1000 mg – expect severe toxicity - Check for urinary retention and signs of anticholinergic delirium - Pheniramine: more likely to cause seizures Anticholinergic delirium - Chlorpheniramine: sedation and anticholinergic toxicity - Exclude urinary retention - Doxylamine: rhabdomyolysis associated with >20 mg/kg - Supportive care +/- titrated doses of diazepam (5-10 mg oral 30 minutely PRN or IV 10-15 minutely PRN) Non-sedating Antihistamines: - Consider physostigmine (discuss with clinical toxicologist – see separate guideline) - Loratadine, cetirizine and fexofenadine: sedation, *QT*, - Droperidol may be required in severe behavioural disturbance resistant to benzodiazepines **Seizures** anticholinergic toxicity following large ingestions *îQT* and *îQRS* durations have been reported - Benzodiazepines: Diazepam 5 mg IV every 5 minutes as necessary following large sedating and non-sedating Widened QRS duration > 120ms OR Ventricular arrhythmias - The effectiveness of serum alkalinization is variable, see separate 'QRS prolongation' guideline antihistamine overdose **Prolonged OT interval General clinical features:** - CNS: sedation, agitated delirium - see separate 'QT prolongation' guideline - CVS: tachycardia, arrhythmias, hypotension Disposition - Anticholinergic: warm dry skin, urinary retention - Discharge pending mental health assessment if clinically well with normal cardiovascular state + the - Rarely: seizures / hyperthermia / rhabdomyolysis patient has passed urine + normal ECG at 6 hours post exposure

- Advise the patient not to drive for at least 72 hours post exposure

AUSTIN CLINICAL TOXICOLOGY SERVICE GUIDELINE

POISONS INFORMATION CENTRE: 13 11 26

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