

Discussion

The approach to the patient with an unknown overdose
 Tricyclic antidepressant overdose
 3.

The two-pronged approach to the poisoned patient Poisoned Patient Diagnosis Treatment Airway History Breathing Physical Examination Circulation DONT/Decontamination Toxidrome Recognition Enhanced Elimination Diagnostic Tests Focused Therapy Get Tox Help The Approach to the Patient with an Unknown Overdose. Emerg Med Clin N Am 25 (2007) 249–281

Poisoned patient - History

- · Type of toxins
- Time of exposure (acute or chronic)
- Amount
- Route of administraion (ingestion, IV, inhalation)
- Why (accidental, suicide attempt, euphoria, therapeutic misadventure)
- History of psychiatric illness or previous suicide attempts
- Inquire about all drugs
- the presence of empty pill bottles or drug paraphernalia that were at the scene

The Approach to the Patient with an Unknown Overdose Emerg Med Clin N Am 25 (2007) 249–281

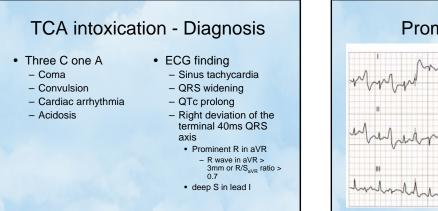
Poisoned patient – Physical Examinaiton

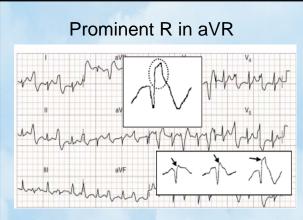
- Toxic vital sign

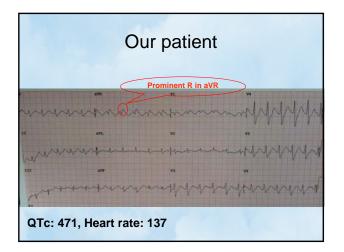
 包括EKG(QRS, QTc, morphology, rhythm)
- NE: consciousness, pupil, nystagmus, tendon reflex, muscle power
- Oral mucosa: dry or secretion
- Bowel sound
- · Urination or urine retention
- Skin: dry or diaphoresis

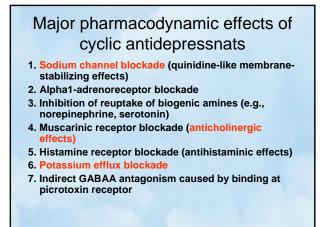
Toxic vital sign – our patient

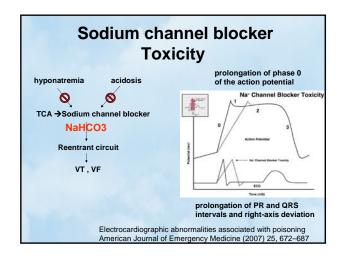
- Tachycardia (FAST)
- Free base or other forms of cocaine, freon(二氯二氟代甲烷)
 Anticholinergics, antihistamines,
- antipsychotics, amphetamines, alcohol withdrawal
- Sympathomimetics(cocaine, caffeine, amphetamines, PCP), solvent abuse
- Theophylline, TCAs, thyroid hormones
- Slow respiration (SLOW)
 Sedative-hypnotics
 - (barbiturates, benzodiazepines)
 - Liquor (alcohols)
 - Opioids
 - Weed (marijuana大麻)

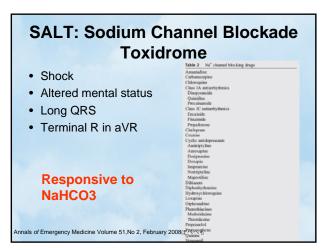


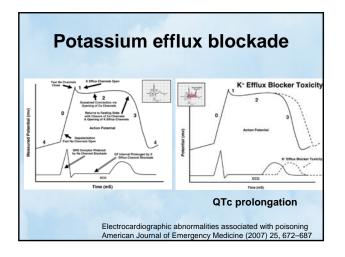


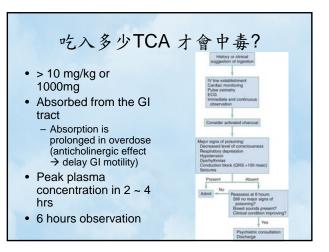












Treatment – NaHCO₃

- Dose of IV bolus?
 - $-1 \sim 2 \text{ mEq/kg}$
- Endpoint of IV bolus? - Until QRS narrows or until serum pH increases to 7.5 to 7.55
- Maintain dose?
 - 3 amp 8.4% NaHCO₃ (50meq/amp) into 1 L D5W \rightarrow as usual maintain rate for IV fluid

Treatment

- · Gastric lavage and activated charcoal within 60 minutes
- Hypertonic sodium
 - Hypotension and a wide QRS interval with ventricular ectopy
 - Dopamine and norepinephrine for hypotension (α 1-agonist effect)

Treatment for neurologic complications of TCA poisoning

Coma

- early intubation with mechanical ventilation
- Agitation
- BZD
- Seizure
 - Status epilepsy or prolonged seizure account for 20 ~ 30% of the seizures caused by TCA • BZD

 - Phenobarbital (20mg/kg)Propofol (2.5mg/kg)

 - Phenytoin → contraindication
 Longer episodes of ventricular tachycardia

