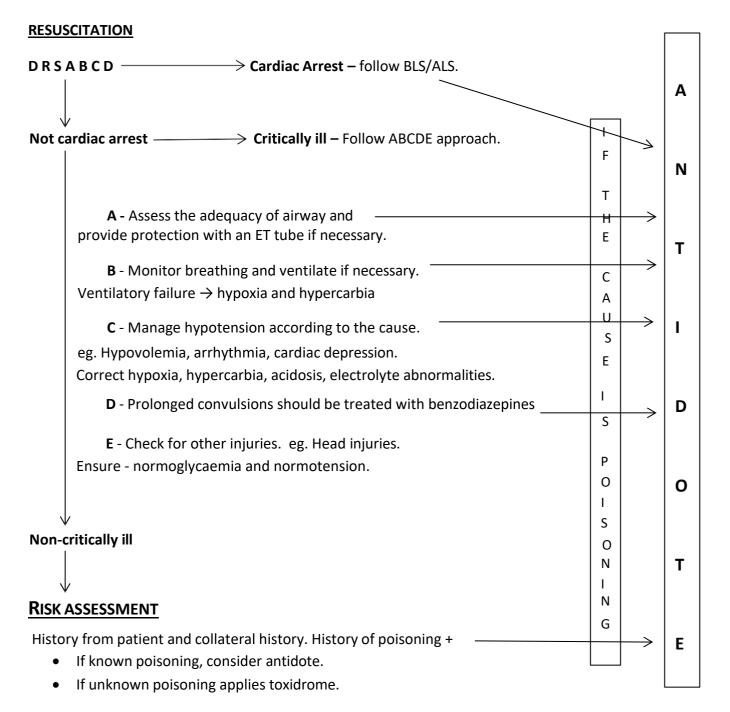
## **ACUTE POISONING**

#### Mnemonic-Resus RSIDEAD



#### **TOXIDROMES**

Toxidrome	Causative agents	Clinical features	Management
Sympathomimetic	Cocaine Amphetamines	Sweating	Supportive. Intravenous
	Gamma hydroxybutyrate	Hyperthermia	fluids. Benzodiazepines
	Decongestants Caffeine	Anxiety	for agitation or seizures.
	Theophylline	Hypertension Chest	Intravenous glyceryl
		pain Agitation	trinitrate (GTN) or
		Hyperreflexia	phentolamine for
		Seizures	hypertension that does
		Rhabdomyolysis	not respond to
		Intracerebral bleeds	Benzodiazepines. Aspirin,
			benzodiazepines, and GTN
			for chest pain.

#### **SUPPORTIVE CARE**

Mechanical ventilation Circulatory support Antidote and poison-specific measures.

#### **INVESTIGATIONS**

**VBG** 

Urine hCG

**ECG** 

LFT,

**RFT** 

**FBC** 

## **DECONTAMINATION**

Skin decontamination

Active charcoal – 1g/kg orally within 1hr of poisoning Gastric lavage – for life-threatening overdose within 2 hours Whole bowel irrigation with kleen prep

#### **ELIMINATION**

Depends on the type of the poison. Urinary alkalization with NaHCO<sub>3</sub> infusion
Hemodialysis – methanol, lithium, phenobarbital
Hemoperfusion – barbiturates, theophylline, choral hydrate

# **ANTIDOTE**

# **Drug Antidotes**

Drug	Antidote	
Acetaminophen	Acetylcysteine	
Anticholinergics	Physostigmine	
Benzodiazepines	Flumazenil	
Ca Channel Blockers	Calcium Chloride	
Cyanide	Hydroxocobalamin Amyl Nitrite, Sodium Nitrite, Sodium Thiosulfate	
Digoxin	Digoxin Immune Fab	
Heparin	Protamine Sulfate	
Iron	Deferoxamine	
Insulin	Glucagon	
Lead	Dimercaptosuccinic Acid/EDTA	
Opioids	Naloxone	
Warfarin	Vitamin K	

			Cooling (if resistant to hyperthermia consider dantrolene).
Anticholinergic	Tricyclic antidepressants Antihistamines Antipsychotics Selective serotonin reuptake inhibitors Anti-parkinsonian Atropa belladonna (deadly nightshade)	Mad as a hatter (confusion, delirium). Hot as a hare (hyperthermia). Blind as a bat (mydriasis). Red as a beet (flushing). Dry as a bone (dry mouth and skin). Urinary retention. Sinus tachycardia. Functional ileus (reduced bowel sounds, Constipation). Hypertension.	Supportive. Intravenous fluids. Benzodiazepines for agitation or Seizures. Cooling.
Cholinergic	Organophosphates Physostigmine Carbamate insecticides	Parasympathetic symptoms: Diarrhoea Urination Miosis and muscle weakness Bronchorrhoea Bradycardia Emesis Lacrimation Sweating, salivation Nicotinic symptoms: weakness, fasiculations, and paralysis CNS symptoms: drowsiness, seizures	Decontamination Supportive Atropine (titrate until secretions dry up) Pralidoxime
Opioid	Morphine Heroin	Miosis Respiratory depression Reduced level of consciousness Coma Hypotension	Supportive. Naloxone (dose 400 mcg IV/IM, which may be repeated up to a dose of 10 mg.

# **DISPOSITION**

The Patient must be admitted to an environment capable of providing an adequate level of monitoring and supportive care.

ICU admission is needed for,

Unstable patient

Potentially lethal overdose

Cardio toxic overdose

Psychiatric counseling