

Alcohol	Narcotics & Opiates	Sedative-Hypnotic Drugs	Abused Inhalants	Psychiatric Medications	Carbon Monoxide	Sympathomimetics	Marijuana	Hallucinogens	Anticholinergic Agents	Cholinergic Agents
<p>Most commonly abused drug in the US</p> <p>Initially a CNS stimulant; in higher doses it acts as a depressant</p>	<p>They are named by the opium in poppy seeds, the origin of heroin, codeine + morphine</p>	<p>These are CNS depressants that alter LOC w/similar effects as alcohol</p> <p>Usually taken by mouth</p> <p>Can be given in a drink to an unsuspecting person as a knock-out drink</p>	<p>Same effects as other sedative-hypnotics, but are inhaled.</p> <p>Agents found in glues, cleaning compounds, paint thinners and lacquers, and halogenated hydrocarbons.</p>	<p>Tricyclic antidepressants</p> <p>Commonly prescribed for depressions, ADHD, migraines, obsessive-compulsive disorders, and panic disorders</p> <p>Increase the levels of the neurotransmitters serotonin and norepinephrine in the brain</p>	<p>Exposure to fire/smoke in enclosed spaces, improperly functioning space heaters, exhaust fumes</p> <p>Hemoglobin 200x greater than O<sub>2</sub></p>	<p>CNS stimulants that cause:</p> <ul style="list-style-type: none"> <li>- HTN</li> <li>- Tachycardia</li> <li>- Dilated pupils</li> </ul> <p>Amphetamines + methamphetamines are commonly taken by mouth, but can also be injected.</p> <p>Street names are: Meth, Speed, Uppers, Ecstasy, ...</p>	<p>As many as 20 million people in the US use marijuana daily</p>	<p>Alter sensory perception.</p> <p>The classic hallucinogen is <b>LSD</b>.</p>	<p>Classic description is <b>Hot</b> as a hare <b>Dry</b> as a bat <b>Red</b> as a beet <b>Mad</b> as a hatter</p> <p>Block the parasympathetic nervous system</p>	<p>They are "<b>nerve gases</b>" designed for <b>chemical warfare</b>.</p> <p>Overstimulate normal body fx that are controlled by the parasympathetic nerves, resulting in:</p> <ul style="list-style-type: none"> <li>- Salivation</li> <li>- Mucus secretion</li> <li>- Urination</li> <li>- Excessive tearing</li> <li>- Bradycardia</li> </ul>
<p><b>s/s:</b></p> <ul style="list-style-type: none"> <li>- Sedative</li> <li>- Hypnotic</li> <li>- Depression of Resp. system</li> <li>- Vomiting may be forceful or even bloody</li> <li>- <b>Delirium tremens (DTs):</b> <ul style="list-style-type: none"> <li>- agitation + restlessness</li> <li>- fever</li> <li>- sweating</li> <li>- confusion, disorientation</li> <li>- delusions, hallucinations</li> <li>- seizures</li> </ul> </li> </ul> <p><b>Tx - DT's pt:</b></p> <ul style="list-style-type: none"> <li>- 100% O<sub>2</sub></li> <li>- Transport</li> <li>- watch for vomiting + hypovolemic shock</li> </ul>	<p><b>s/s:</b></p> <p>CNS depressants and can cause severe resp. depression</p> <p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- ABCs</li> <li>- 100% O<sub>2</sub></li> <li>- 0.4 – 2mg Narcan q 2-3 min IVP</li> <li>- Cardiac monitor -&gt; be alert for dysrhythmias that may develop</li> </ul>	<p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- ABC's</li> <li>- Maintain patent airway</li> <li>- Provide ventilations as needed</li> <li>- Gain IV access</li> <li>- Cardiac monitor</li> <li>- Treat arrhythmias according to protocols</li> <li>- Transport</li> </ul>	<p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- Keep pt from struggling/exertion</li> <li>- Never allow the pt to walk to the ambulance!!!</li> <li>- 100% O<sub>2</sub></li> <li>- Cardiac monitor</li> <li>- Treat arrhythmias according to protocols</li> </ul>	<p><b>s/s:</b></p> <p>Early stage:</p> <ul style="list-style-type: none"> <li>- Dry mouth</li> <li>- Confusion</li> <li>- Hallucinations</li> </ul> <p>Late stage:</p> <ul style="list-style-type: none"> <li>- Delirium</li> <li>- Resp. depression</li> <li>- Hypotension</li> <li>- Hyperthermia</li> <li>- Seizures</li> <li>- Coma</li> <li>- Dysrhythmias</li> </ul> <p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- ABCs</li> <li>- 100% O<sub>2</sub></li> <li>- Establish IV</li> <li>- Provide 20 ml/kg bolus isotonic crystalloid</li> </ul>	<p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- Remove pt from affected area</li> <li>- 100% O<sub>2</sub></li> <li>- Establish IV</li> <li>- Cardiac monitor</li> <li>- Treat arrhythmias according to protocols</li> <li>- Transport to the closest hospital with <b>hyperbaric chamber</b> should be considered</li> </ul>	<p><b>s/s</b> -commonly behavior include:</p> <ul style="list-style-type: none"> <li>- Restlessness</li> <li>- Anxiety</li> <li>- Fear</li> <li>- Paranoia</li> </ul> <p><b>Cocaine</b> is classically inhaled into nose. Once of the most addictive substances known. Acute cocaine overdose is a genuine emergency, as pt is at high risk for seizures + cardiac arrhythmias.</p> <p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- Transport promptly</li> <li>- 100% O<sub>2</sub>/ventilation assistance PRN</li> <li>- Be prepare for suctioning</li> <li>- Assess vital signs + gain VI access</li> <li>- Cardiac monitor</li> <li>- Treat arrhythmias according to protocols</li> </ul>	<p><b>s/s:</b></p> <ul style="list-style-type: none"> <li>-Euphoria</li> <li>-Relaxation</li> <li>-Drowsiness</li> <li>-Impairs short-term memory</li> </ul> <p><b>Tx:</b></p> <p>Transport necessary only for those suffering from hallucinations or paranoia</p>	<p><b>s/s:</b></p> <ul style="list-style-type: none"> <li>- Visual + auditory intensity</li> <li>- Separate the user from reality</li> </ul> <p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- Asses scene safety</li> <li>- Project calm/professional demeanor</li> <li>- Monitor carefully throughout transport.</li> </ul>	<p><b>Tx:</b></p> <ul style="list-style-type: none"> <li>- Prompt transport</li> <li>- 100% O<sub>2</sub></li> <li>- Assist with ventilations PRN</li> <li>- IV access in route to the hospital</li> </ul>	<p><b>s/s</b> - mnemonic <b>DUMBELS:</b></p> <ul style="list-style-type: none"> <li>- Defecation</li> <li>- Urination</li> <li>- Miosis (pupil constriction)</li> <li>- Bronchorrhea (mucus secretion from lungs)</li> <li>- Emesis</li> <li>- Lacrimation</li> <li>- Salivation</li> </ul> <p>Another mnemonic is <b>SLUDGE:</b></p> <ul style="list-style-type: none"> <li>- Salivation</li> <li>- Lacrimation</li> <li>- Urination</li> <li>- Defecation</li> <li>- Gastrointestinal irritation</li> <li>- Eye constriction and Emesis</li> </ul>

**Miscellaneous Drugs:**

- Aspirin poisoning is potentially lethal.
- Acetaminophen overdose is very common, probably bcos it is available in so many different preparations
- Use care in dealing with child overdose; family members may be distraught and your professional demeanor will help to ease their tension
- Some alcohols, such as methyl alcohol and ethylene glycol, are more toxic than ethyl alcohol (drinking alcohol)

FOOD POISONING	PLANT POISONING
<p>Also known as 'ptomaine poisoning'</p> <p>Two main types:</p> <ul style="list-style-type: none"><li>❖ Organism itself causes the disease</li><li>❖ Organism produces toxins that causes the disease</li></ul> <p><b>Salmonella bacterium</b> -&gt; Salmonellosis causes: Severe gastrointestinal symptoms within 72 hours of ingestion, including:</p> <ul style="list-style-type: none"><li>❖ Nausea</li><li>❖ Vomiting</li><li>❖ Abdominal pain</li><li>❖ Diarrhea</li><li>❖ May be systematically ill w/fever and generalized weakness</li></ul> <p><b>Staphylococcus</b> is quick to grow and produce toxins in foods that have been prepared in advance and kept too long.</p> <p><b>Botulism</b> is the <b>most severe form of food poisoning</b>, usually resulting from eating improperly canned food, in which the spores of Clostridium bacteria have grown</p> <p>Don't try to determine the specific cause, but obtain as much history as possible.</p>	<p>Severe thousands cases of poisoning from plants occur every year</p> <p>Many household plants are poisonous if ingested, as they may be by children who sometimes nibble on the leaves.</p> <p>The toxins in these plans are often ingested or absorbed through the skin.</p> <p>Can cause:</p> <ul style="list-style-type: none"><li>❖ Local irritation to the skin</li><li>❖ Affect the:<ul style="list-style-type: none"><li>○ circulatory system</li><li>○ gastrointestinal tract</li><li>○ central nervous system</li></ul></li></ul> <p><b>Tx:</b></p> <ul style="list-style-type: none"><li>❖ Assess airway + vital signs</li><li>❖ Notify the regional poison center for plan identification</li><li>❖ Provide prompt transport</li><li>❖ Take the plant to the emergency department for identification.</li></ul>