Central Nervous System (CNS) Stimulants





Types of CNS Stimulants

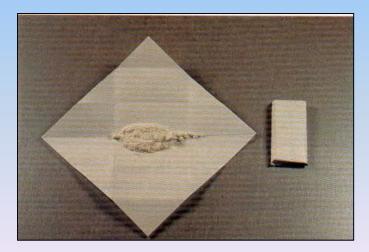


Amphetamines

Others

Cocaine







Cocaine Origin





"Erythroxylon Coca"

Cocaine Origin

Native to South America

Made from leaves of coca plant

Small quantities in original Coca Cola

Amphetamines

First medical purpose in 1920s
 Initial treatment of colds

 Shrink nasal membranes

 Control appetite
 Control narcolepsy
 Control Hyperactive Children
 Relieve/Prevent fatigue
 Treat mild depression

Amphetamines

- Antagonistic effects of depressants
- Prevent/Treat surgical shock
- Maintain blood pressure during surgery
- Treat Parkinson's Disease
- Enhance action of analgesic drugs

Commonly Prescribed Pharmaceutical Amphetamines

- Adderall
- Benzedrine
- ✤ Desoxyn
- Dexedrine





Illicit Amphetamines



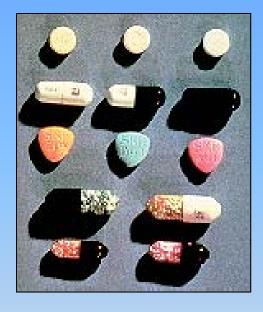


Methamphetamine

Amphetamine Sulfate

Other CNS Stimulants

- Caffeine
- Cathine and Cathinone
 - > Khat
 - Flakka (Gravel)
- Ephedrine
- Ritalin







Bath Salts

- Chemically similar to Amphetamines
- Has anesthetic properties
- Symptomology similar to PCP









Methods of Ingestion



Insufflation







Smoking



Injection

Signs of Ingestion

- Perforated septum
- Powder residue in nasal cavity
- Blisters on lips and tongue
- Injection track marks
- Raised taste buds



General Indicators

- * Euphoria
- Hyperactivity
- Inability to concentrate
- Misperception of time and distance
- Relaxed inhibitions

- * Restlessness
- *****Talkative
- * Anxiety
- Dry mouth
- Bruxism
- ✤ Irritability
- Increased alertness

Cocaine Onset and Duration

Smoked

- Virtually immediate effects
- Very intense "rush"
- Effects last 5-10 minutes
- ✤ Injected
 - Effects are felt within seconds
 - Very intense "rush"
 - Effects last 45-90 minutes

Snorted

- Effects are felt within 30 seconds
- Intense "rush"
- Effects last 30-90 minutes
- Orally
 - Effects begin within 3-5 minutes
 - Effects are less intense
 - Effects last 45-120 minutes

Methamphetamine Onset and **Duration**

Smoked

- Virtually immediate effects
- Very intense "rush"
- Effects last 4 8 hours

Injected

- Effects felt within seconds
- Very intense "rush" 5-30 sec
 Less intense "rush"
- Effects last up to 12 hours

Snorted

- Effects take longer
- Less intense "rush"
- Effects last briefer
- Orally
 - Effects take longer

 - Effects last briefer

Overdose Signs

Confused and aggressive

Convulsions, faint or pass out into coma

Pulse rapidly increase

Hallucinations may occur

Drug Matrix Chart

HGN	None
VGN	None
LACK OF CONVERGENCE	None
PUPIL SIZE	Dilated
REACTION TO LIGHT	Slow
PULSE RATE	Up
BLOOD PRESSURE	Up
BODY TEMPERATURE	Up
MUSCLE TONE	Rigid