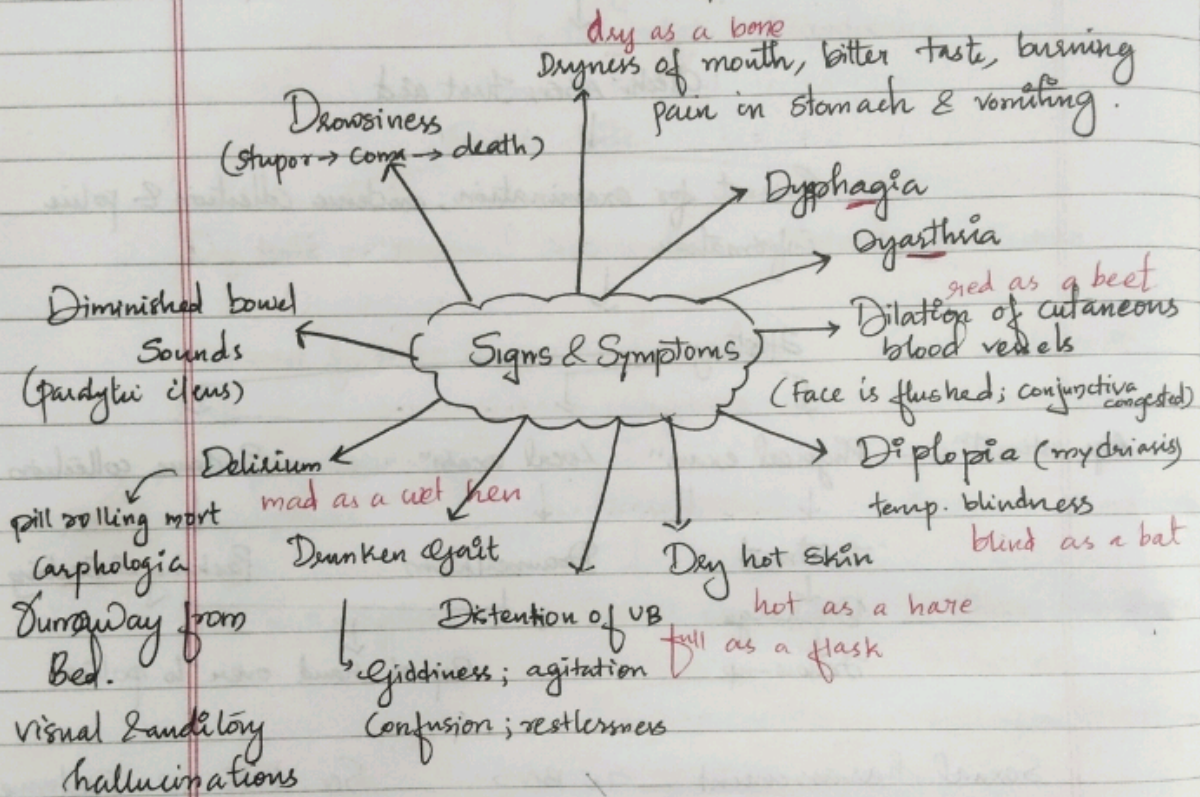


## DATURA POISONING - Deliriant

- Tropane Alkaloid.
- All parts poisonous.
- Active Principles - Belladonna alkaloid - Anticholinergic
  1. Hyosine (Scopolamine)
  2. Hyoscyamine
  3. Atropine



NOTE: Rapid pulse (120-140/min)  
↑ res. Resp?

Scarlatiform rash all over Body

Amnesia

- Symptoms seen 30-60 min after ingestion  
Continue for 24-48 hrs
- ∴ Fatal dose: 75-125 seeds (Stupefying dose - 40-50 seeds)
- Hyosine 15-30 mg
- Fatal period: 24 hrs.

EDs: Dronkeness & heat stroke

## Management. ★

### Diagnosis & Tx

- ↳ clinical signs & sym
- ↳ radioimmuno assay - detects atropine
- ↳ GS-MS
- ↳ Thin layer chromatography & liquid chromatography

**Tx** **ABC**

- 1) Emetics
- 2) Gastric lavage [activated charcoal + cathartics (sorbitol)]
- 3) Physiological antidote: Physostigmine Salicylate  
↓  
0.5-1mg Slow I.V. over 5 min  
with ECG (0.02 mg/kg/dose)
- 4) Purgatives & Colonic lavage
- 5) Tepid sponging, Diazepam i.v. for sedat<sup>n</sup> & seizures.  
(Morphine is avoided)
- 6) Delirium → barbiturates
- 7) O<sub>2</sub> inhalation & artificial resp<sup>n</sup>
- 8) Catheterization in case of urinary retention

## PM findings ★

External: (Signs of Asphyxia)

Internal:

- Stomach: Seeds (resists putrefaction & found in decomposed bodies)  
(SI) ↓  
mucosa shows inflammation
- Lungs: edematous & congested
- Heart: Petechial hemorrhages in endocardium

## Medicolegal Aspects ★

- (i) Stupefying poison prior to Robbery, Kidnapping & Rape
- (ii) Rail-road poison
- (iii) Abuse for hallucinogenic effect by teenagers
- (iv) Suicide & criminal abortion
- (v) Accidental (vi) Unintentional overdose from therapies
- (vii) Adulterant in country liquor for 'kick' effect.
- (viii) Aphrodisiac (ix) Homicide (Rare).