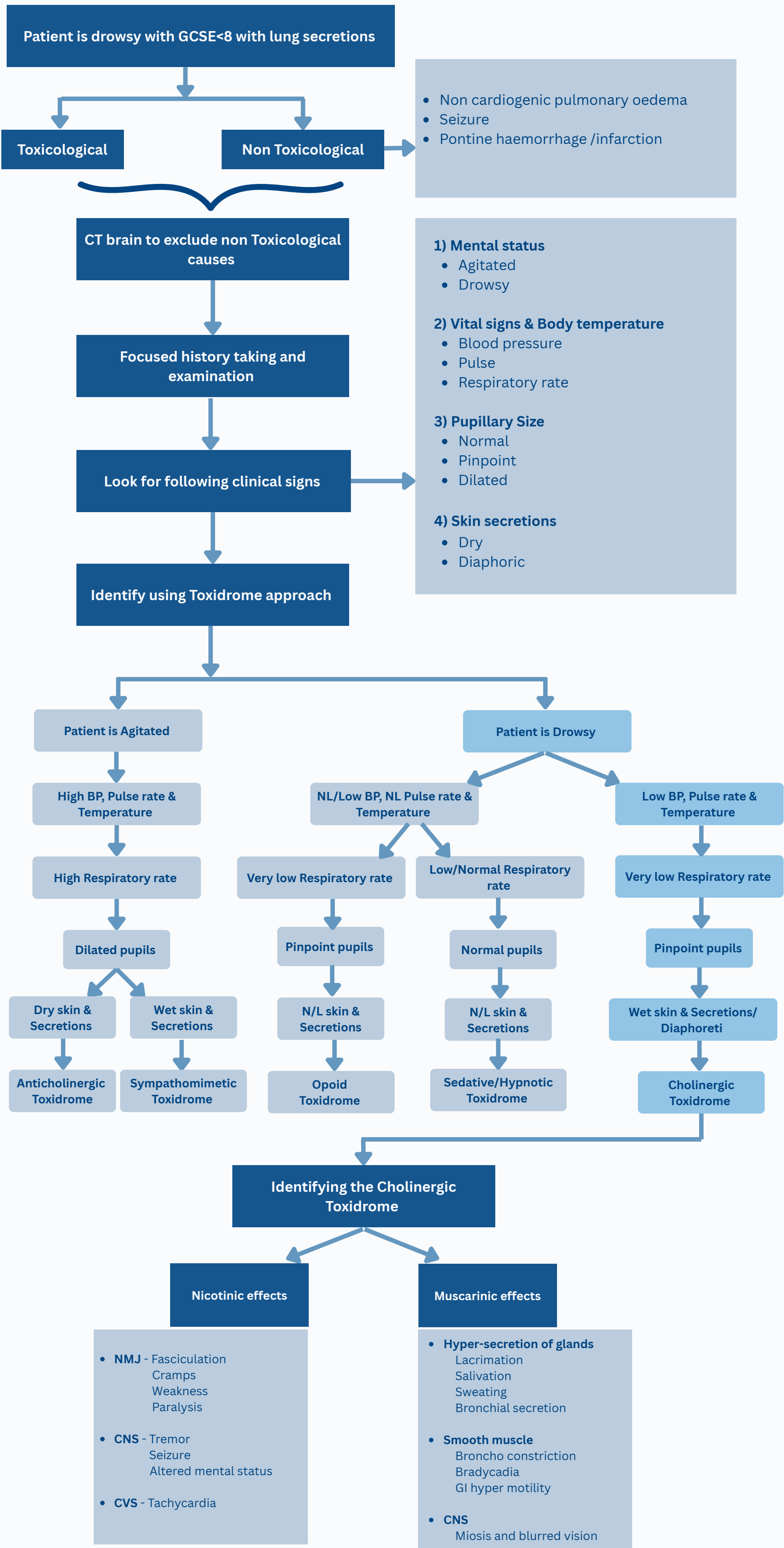


Management of Organophosphate Poisoning



Intermediate Syndrome

- Usually occurs between day 2-4
- Cause neck and proximal limb weakness
- High mortality following respiratory paralysis
- Asses by single breath count/check proximal muscle power/ spirometry
- Treatment- Intubation and ventilation
- Avoid succinylcholine for intubation

Management

Resus RSI-DEAD

- **Resuscitation- ABCDE-> Intubation (GCS<8)**
- **R- Risk assessment**
Relevant history
1. Patient identification (Name, Age, Gender, Weight)
2. Substance detail
3. Exposure time
4. Exposure location
5. Look for suicidal notes etc
6. Examine the colour of vomitus
- **S- Supportive/Symptomatic care**
Regularly monitoring vitals
Position to left lateral
Adequate hydration
Anti-emetic
PPI
- **I- Investigations**
ABG
Serum electrolytes
ECG
Renal Function Test
Liver Function Test
Chest -X-Ray
RBS
- **D- Decontamination**
Gastric lavage
Activated charcoal
- **E- Enhanced elimination**
- **A- Antidote**
Atropine
Pralidoxime
- **D- Disposition**
Ward/ICU

In this case even before start intubating need to give "IV Atropine"

This is usually done within 2 hours
In cases of large doses, consider administration even within 6-8 hours of ingestion

Atropine

1) Initial dose as 0.6-3mg IV Bolus
2) Double the dose every 3-5 minutes till target parameters achieved

Target parameters	Review parameters
• Stable HR (>80bpm) • SBP > 80mmHg • Clear lung sounds • Dry mucus membrane & axial • Pupils no longer pinpoint	• 30 min for 3 hrs • Hourly for 6 hrs • 3-6 hourly for 24-48 hrs

3) After initial bolus give 20% of total bolus doses as per hour infusion

If atropinization is lost give bolus doses of Atropine until target parameters achieved add additional 20% of bolus requirement to existing infusion per hour

Pralidoxime

- Atropine must give before Pralidoxime
- As no trials have shown a survival benefit, it is not administered routinely

For lipid soluble organophosphates , eg: "Profenofos"

- Atropine infusion may be required for a longer duration.
- Ventilators support may be need for a longer period.
- The onset of intermediate syndrome may be delayed.