

## SUD II | Alcohol, Benzo's, and Stimulants Cheat Sheet by Shelbi (kfisher17) via cheatography.com/79317/cs/21867/

### **MOA of Alcohol**

- · Multiple; Not well understood
- · GABA receptor agonist
- NMDA (glutamate) receptor antagonist
- Believed to have either a direct or indirect effect on the mu-opioid receptor (associated with alcohol cravings and euphoria; reward pathway)
- · GABA is an inhibitor NT
- · Glutamate is an excitatory NT

### Alcohol | Signs and Symptoms of Intoxication

Slurred speech

Loss of coordination

Unsteady gait (staggering)

Nystagmus (rapid, involuntary eye movement)

Impaired memory or attention

Stupor or coma

Can be mistaken for sedative intoxication ⇒ If the patient is conscious, ask them what they took

### Signs & Symptoms of Alcohol Withdrawal

Sweating or HR > 100 BPM

1 hand tremor

Insomnia

Nausea ± Vomiting

Transient visual, tactile, or auditory hallucinations

Psychomotor agitation

Anxiety

Tonic-Clonic Seizures

Tonic-Clonic Seizure: a seizure that involves a loss of consciousness and violent muscle contractions

PK of Alcohol		
Absorption	Small intestine	
	Delayed gastric emptying and/or presence of food delays absorption	
Metabolism	Zero-Order	

Metabolized by alcohol dehydrogenase

Elimination Mostly into CO2 and water

#### **Treatment of Alcohol Intoxication**

ED visit, hospitalization, ICU admissions

Supportive care based on symptoms and BAC

ABC's [Airway, Breathing, Circulation]

Manage nausea and vomiting

Prevent aspiration

Replace fluids (ie banana bags)

Banana bags: Thiamine 100 mg, Folic Acid 1 mg, Multivitamin, ± magnesium

Clinical Presentation of Alcohol Withdrawal		
6 to 12 hours	Minor Withdrawal	
12 to 24 hours	Alcohol Hallucinosis	
24 to 48 hours	Withdrawal Seizures	
72 to 96 hours	Delirium Tremens (DT)	

- Onset is measured based on the time of the patient's last drink
- Could be sooner in more severe cases



By **Shelbi** (kfisher17) cheatography.com/kfisher17/

Published 24th February, 2020. Last updated 23rd February, 2020. Page 1 of 2. Sponsored by ApolloPad.com
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Alcohol Withdrawal Presentations Defined		
Minor Withdrawal	Peaks at 24 to 36 hours	
	May last up to 5 days	
	Presence of 2 to 3 symptoms of withdrawal	
	Tremors, anxiety, headache, diaphoresis, palpitations, nausea	
Severe Withdrawal	Presence of ≥ 6 symptoms	
	Alcoholic hallucinosis (visual is most common; auditory or tactile); generally resolves within 48 hours	
	Seizures (generalized, tonic-clonic; can happen within hours of last drink)	
Delirium Tremens (DTs)	Delirium, Disorientation, agitation, mydriasis, tachycardia, HTN, Temp > 104F, diaphoresis	
	Onset: 2 to 5 days after last drink	
	Prevalence: 3 to 5% of pt's with untreated alcohol withdrawal	
	Mortality rate: 5 to 15%	
Rick Factors	of Withdrawal	

### Risk Factors of Withdrawal

• Environmental: increased frequency of quantity of consumption, prior withdrawals, concomitant sedative, hypnotic, or anxiolytic drugs

• Genetic: family history of withdrawal



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