

# CHAPTER 5

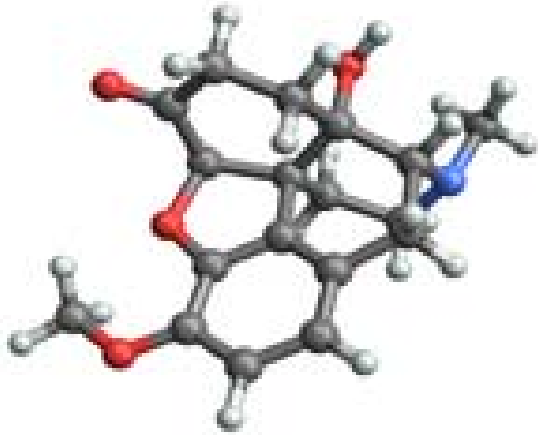
## DRUGS



# NARCOTICS

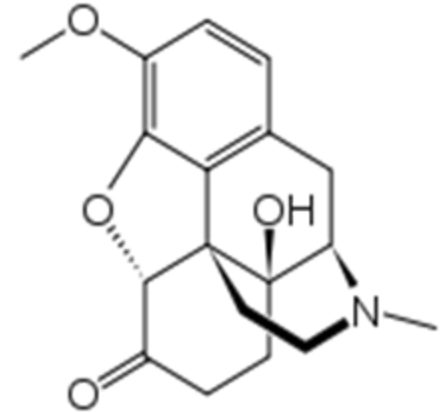
- Narcotics are drugs that induce sleep and relieve pain.
- The term narcotic is used incorrectly today...for example the **cocaine** is labeled as a narcotic but is actually a **stimulant**
- **Marijuana** has been classified as narcotic but is actually a **hallucinogen**
- OPIATES like Heroin, Morphine, OxyContin, Methadone and Codeine are narcotic.

# OxyContin



C-II

PURDUE PHARMA L.P.



**OxyContin® Tablets**  
(oxycodone hydrochloride controlled-release)

# What is the difference between Vicoden, OxyContin, Percocet and Percodan

- Hydrocodone= Vicoden
- Oxycodone = OxyContin (has one extra hydroxyl group –OH) Doses start at 10mg-80mg
- Percocet= 5mg Oxycodone + Acetaminophen 325mg
- Percodan= 5mg Oxycodone+ Aspirin

# Depressants

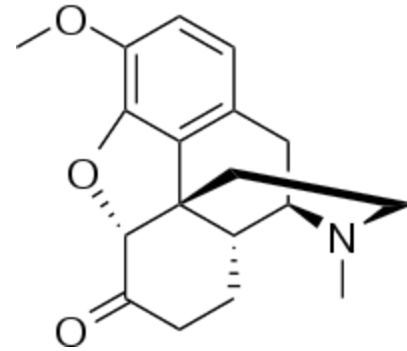
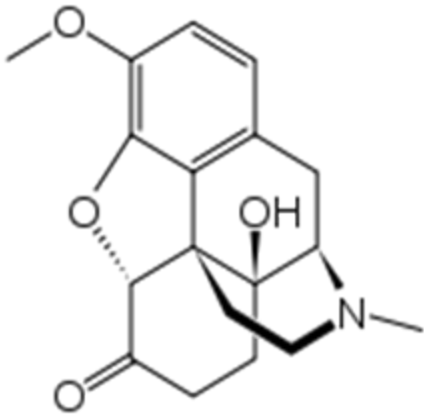
- OxyContin
- Oxycodone

vs

Vicoden

vs

Hydrocodone



# Depressants

- Depressants depress (slows down) the central nervous system and reduce pain relieving stress, anxiety, and fear putting the person at ease.
- ALCOHOL is the number one used depressant.
- Alprazolam (Xanax)
- Diazepam (Valium)
- Barbiturates (phenobarbital)
- \*\*Heroin



# Inhalants

- Inhalants such as glue, paint thinner, and hair spray are also considered depressants and have the same effect as alcohol.





# Stimulants

- Stimulants elevate the mood, producing feelings of excitement, feeling good, and euphoria.
- It increases the CNS, pulse and blood pressure
- Stimulants give the user an adrenaline rush often followed by a crash.
- Heavy use of stimulants result in paranoia, restlessness, fidgetiness, (constant body movements), apathy, irritability, and depression.
- The most frequently used stimulant is coffee with caffeine.
- The most common illegal stimulant is cocaine and amphetamines.



# How much caffeine is in your drink?

- Coke 35mg
- Mountain Dew 55mg
- Coffee 50-100mg
- Red Bull 80mg
- Monster 160mg (2)
- **REDLINE 325mg (2)**



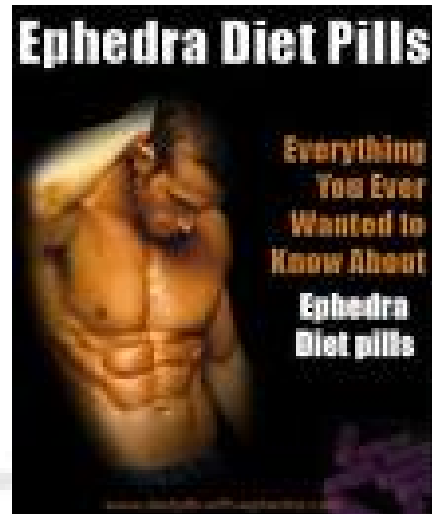
# No Name: energy drink



- May 5, 2007 pulled from self because name was said to be immoral and promoted illegal substance abuse.
- Had **240 mg caffeine** and **750 mg of taurine** (found in seafood and meat...58mg is the average daily intake)
- **Taurine** give energy and has many health benefits

# Amphetamines

- A group of synthetic stimulants that are usually called UPPERS or SPEED.
- Used in diet pills
- Hydroxycut with Ephedra



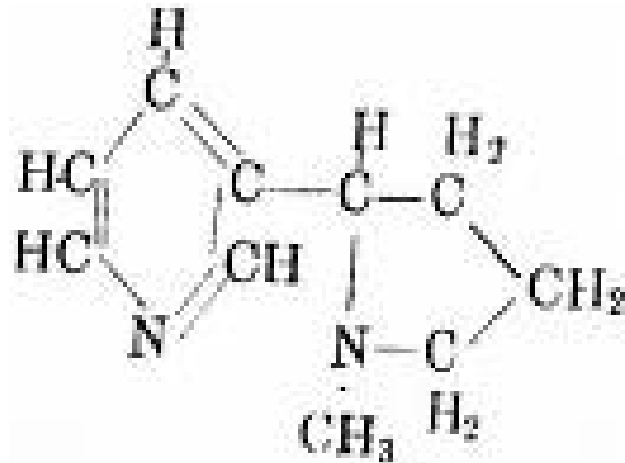
# COCAINE

- *Erythroxoylon coca* – the plant
- Causes a euphoric sensation
- Suppression of hunger, fatigue, and boredom



# Nicotine

- Is also a stimulant
- Found in cigarettes

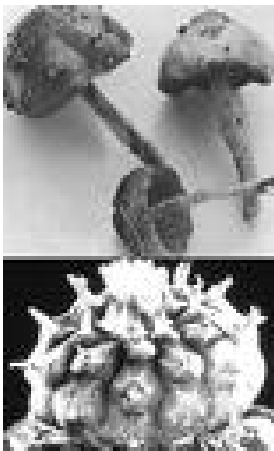


# Hallucinogens

- Hallucinogens alter perceptual functions or better known as mind-altering drugs.
- There are no legalized hallucinogens as this type of drug is extremely dangerous and unpredictable.
- The most frequently used hallucinogens are LSD and PCP and mushrooms.
- Marijuana is a hallucinogen

# Hallucinogens

- Users may experience what is known as a “good” trip or a “bad” trip.
- A “Bad” trip, which is similar to a panic or anxiety attack, can result in violent behavior toward oneself or someone else or the person can suffer a mental breakdown.



# Marijuana

- Marijuana wouldn't cause the gross hallucinations of hallucinogens or the adrenaline rush of stimulant, nor the complete reduction in pain or immense relaxation of depressants.





# Club Drugs



- Synthetic drugs that are often used at nightclubs, bars and raves (all night dance parties)

- MDMA- Ecstasy

- \*GHB- Gamma Hydrobutyrate
  - (Depressant)

- \*Rohyphnol- Roofies (like Xanax/Valium)

- Ketamine (Special K)- horse tranquilizer

- Methamphetamine



- \* *Central nervous system depressants associated with sexual assault/ rape/ robbery. They are odorless, colorless, tasteless thus remain undetected when sipped in a drink*

# STEROIDS- a class of drugs

## **Anabolic Steroids**

- Anabolic- muscle building
- Performance enhancing drugs
- Usually given by shots
- Could be used by DR for growth hormone treatment or cancer pts

## **Corticosteroids**

- Used to treat an allergic reaction or inflammatory issue
- LEGAL
- Can be a shot or pills
- Not used by athletes

# Anabolic Steroids

- Synthetic compounds chemically related to the male sex hormone testosterone that are used to promote muscle growth
- Could be used by a doctor by Rx for growth or



# Corticosteroids

Drugs closely related to cortisol, a hormone which is naturally produced in the adrenal cortex

Corticosteroids act on the immune system by blocking the production of substances that *trigger allergic and inflammatory actions*, (such as prostaglandins).

- **Corticosteroids include:**

- [Betamethasone](#) (Celestone)
- [Budesonide](#) (Entocort EC)
- [Cortisone](#) (Cortone)
- [Dexamethasone](#) (Decadron)
- [Triamcinolone](#) (Kenacort, Kenalog)

[Hydrocortisone](#) (Cortef)

[Methylprednisolone](#) (Medrol)

[Prednisolone](#) (Prelone)

[Prednisone](#) (Deltasone)

# Steroids vs NSAID

- Both used to reduce inflammation
- NSAID= Non-steroidal anti-inflammatory drugs
- Non-narcotic
- Over-the-counter
- **Tylenol= Acetaminophen**
- **Advil= Ibuprofen**
- **Bayer= Aspirin (Acetylsalicylic acid)**
- **Aleve= Naproxen**

# DO NOT MIX:

- Aleve with Aspirin- anticoagulants
- Tylenol with alcohol (Toxic to liver)
- Overdosing on Tylenol leads to toxicity of the liver.
- When pregnant, Tylenol can be taken for pain or fever reducer.
- Aspirin is not used for the flu
- All NSAID can cause stomach reflux or ulcers
- Aleve can make your skin sensitive to sunlight

# DEA Drug Schedule



The DEA categorizes drugs into 5 schedules

# Schedule I

- Schedule I drugs have a high tendency for abuse and have no accepted medical use.
- This schedule includes drugs such as Marijuana, Heroin, Ecstasy, LSD, and GHB.
- Recent activists have tried to change the schedule for Marijuana citing the possible medical benefits of the drug.
- **Pharmacies** do not sell Schedule I drugs, and they are not available with a prescription by physician.



# Schedule II

- Schedule II drugs have a high tendency for abuse, may have an accepted medical use, and can produce dependency or addiction with chronic use.
- This schedule includes examples such as Cocaine, Opium, Morphine, Fentanyl, Amphetamines, and Methamphetamines.
- Schedule II drugs may be available with a prescription by a physician, but not all pharmacies may carry them.
- These drugs require more stringent records and storage procedures than drugs in Schedules III and IV.



# Schedule III

- ***Schedule III Drugs***

Schedule III drugs have less potential for abuse or addiction than drugs in the first two schedules and have a currently accepted medical use.

- Examples of Schedule III drugs include Anabolic steroids, Codeine, Ketamine, Hydrocodone with Aspirin, and Hydrocodone with Acetaminophen.
- Schedule III drugs may be available with a prescription, but not all pharmacies may carry them.

# Schedule IV

- Schedule IV drugs have a low potential for abuse, have a currently accepted medical use, has a low chance for addiction or limited addictive properties.
- Examples of Schedule IV drugs include Valium, Xanax, Phenobarbital, and Rohypnol (commonly known as the "date rape" drug).
- These drugs may be available with a prescription, but not all pharmacies may carry them.

# Schedule V

- Schedule V drugs have a lower chance of abuse than Schedule IV drugs, have a currently accepted medical use in the US, and lesser chance or side effects of dependence compared to Schedule IV drugs.
- This schedule includes such drugs as cough suppressants with Codeine.
- Schedule V drugs are regulated but generally do not require a prescription.