



The Use and Abuse of Psychoactive Drugs

Chapter 9



http://www.dailymotion.com/video/x1w2px_hooked-opium-morphine-heroin-1-of-3_politics


Chapter 7 ©2008 McGraw-Hill Companies. All Rights Reserved. 2



Addictive Behavior

- Habits that have gotten out of control, with a resulting negative effect on a person's health.
- Addiction is the habitual use of a drug produced chemical changes in the user's body.
- Characteristics of Addictive Behavior
 - Reinforcement
 - Compulsion or Craving
 - Loss of Control
 - Escalation
 - Negative Consequences

Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 3



Development of Addiction

- Harmless or even beneficial if done in moderation
- Characteristics of people with addiction
- Examples of addictive behaviors
 - Compulsive or pathological gambling
 - Sex and love addiction
 - Compulsive spending or shopping
 - Internet addiction

Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 4

Drug Abuse and Dependence

- The APA's Diagnostics and Statistical Manual of Mental Disorders – authoritative reference
- Drug abuse
 - APA definition
 - Failure to fulfill major responsibilities
 - Drug use in situations that are hazardous
 - Drug related legal problems
 - Drug use despite persistent social or interpersonal problems
 - Physically dependent may or may not present



Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

5

Drug Dependence

- Substance dependence
 1. Developing tolerance to the substance
 2. Experiencing withdrawal
 3. Taking in larger amounts
 4. Expressing a persistent desire to cut down
 5. Spending great deal of time obtaining
 6. Giving up or reducing important activities
 7. Continual usage even with recognition of a problem
- Diagnosed with at least 3 or more symptoms during a 12-month period

Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

6

Who uses drugs?

- All income and education levels
- All ethnic groups
- All ages
- Young people are at a higher risk
- Males (Twice as likely)
- Thrill-seeker or risk taker
- Peer group or family that accepts
- Chaotic home environments
- Dysfunctional families
- Parental abuse



Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

7

Why Do People Use Drugs?

- Experiment
- Escape
- Reliance
- Magnification of residence




Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

8

Risk Factors for Dependence


- Psychological risks
 - Difficulty in controlling impulses
 - Strong need for excitement
 - Feelings of rejection
 - Hostility
 - Aggression
 - Anxiety
 - Mental illness
 - Dual (co-occurring disorders)



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 9

Risk Factors for Dependence


- Social Factors
 - Growing up in a family with drug abuse
 - Peer group
 - Poverty



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 10

Other Risks of Drug Use


- Intoxication
- Unintended side effects
- Unknown Drug constituents
- Risks associated with injection drug use
- Legal consequences



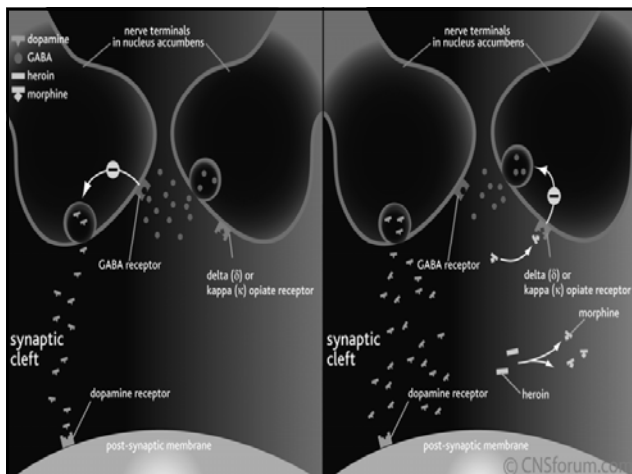
Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 11

How Drugs Affect the Body

- ⇒ Changes in Brain chemistry
- ⇒ Drug factors:
 - Pharmacological properties
 - Dose-Response function
 - Time-action function
 - Drug use history
 - Method of use
- ⇒ User Factors
- ⇒ Social Factors



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 12



Representative Psychoactive Drugs

- Opioids (narcotics)
 - Natural or synthetic
 - Opium, morphine, heroin, methadone, codeine, Hydrocodone, oxycodone, meperidine, and fentanyl
 - Induce euphoria
 - Methods of administration
 - Injection, snorting, sniffing or smoking
 - Symptoms of overdose



Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

14

Central Nervous System Depressants

- Slow down the overall activity of the CNS
- Sedative-hypnotics
- Types
- Effects
- Effects on the body
- Medical uses
- From use to abuse
- Overdosing



Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

15

Central Nervous System Stimulants

- Speed up the activity of the nervous or muscular system
 - Cocaine
 - Methods of use
 - Effects
 - Abuse and Dependence
 - Use during pregnancy

"Cocaine delivers an intensity of pleasure - and despair - beyond the bounds of normal human experience."




Chapter 9

©2008 McGraw-Hill Companies. All Rights Reserved.

16

Central Nervous System Stimulants

- Amphetamines
 - Effects
 - From use to abuse
 - Dependence
- Ritalin
- Ephedrine
- Caffeine



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 17

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.


Milligrams of caffeine

Product	Quantity	Milligrams of Caffeine
Coffee		
Brewed	8 oz.	135
Instant	8 oz.	95
Espresso	2 oz.	90
Cappuccino	2 oz.	90
Decaffeinated	8 oz.	5
Tea		
Snapple	16 oz.	48
Black, bag or leaf	8 oz.	40
Green, bag or leaf	8 oz.	30
Instant, hot or iced	8 oz.	25
Herbal		0
Soft drinks (12 oz)		
Mountain Dew		55
Coca-Cola		45
Pepsi-Cola		37
7-Up, Sprite		0
Dessert/dairy products		
Coffee ice cream	1 cup	50
Dannon coffee yogurt	8 oz.	45
Dark chocolate	1 oz.	20
Cocoa or hot chocolate	8 oz.	6
Milk chocolate	1 oz.	6
Dannon cappuccino yogurt	8 oz.	0
Over-the-counter medications (7 tablets)		
NitroG		100
Excedrin		65
Anacin		32
Migol		32

Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 18

Marijuana


- Cannabis Sativa
- THC (tetrahydrocannabinol)
- Short term effects and uses
- Long-term effects and uses
- Dependence



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 19

Hallucinogens


- Altered state of consciousness, perceptions, feelings and thoughts
- LSD, Mescaline, DMT, MDMA, Ketamine, PCP (angel dust), and certain mushrooms
 - Altered states of consciousness
- Synesthesia
- Flashbacks



Chapter 7 ©2008 McGraw-Hill Companies. All Rights Reserved. 20

Inhalants


- Nearly all inhalants produce effects similar to those of anesthetics, slow down the bodies functions
- Volatile solvents
- Nitrates
- Anesthetics
- Methods of use
 - Sniffing
 - Snorting
 - "Bagging"
 - "Huffing"



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 21

Drug Use: The Decades Ahead

- Drug research
- Drugs, society, and families financially and human suffering
- Legalization
- Drug Testing



Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 22


Treatment for Drug Dependence

- Medication-assisted treatment
 - Drug substitution
- Treatment centers
- Self-help groups and peer counseling
 - AA
 - NA
- Harm reduction strategies
- Codependency


Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 23

Preventing Drug Abuse

- Governmental attempts
- Anti-drug education programs
- Indirect approaches
 - Young people's self-esteem
 - Improve academic skills
 - Increase recreational opportunities
- Direct approaches
 - Information about the adverse effects
 - Peer pressure resistance




Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 24



The Role of Drugs in Your Life



- Issues
 - What are the risks involved?
 - Is using the drug compatible with your goals?
 - What are your ethical beliefs about drug use?
 - What are the financial costs?
 - Are you trying to solve deeper problem?

Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 25



What to Do Instead of Drugs

Chapter 9 ©2008 McGraw-Hill Companies. All Rights Reserved. 26



The Use and Abuse of Psychoactive Drugs

Chapter 9