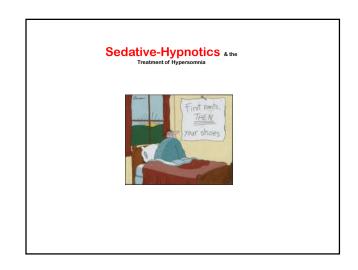
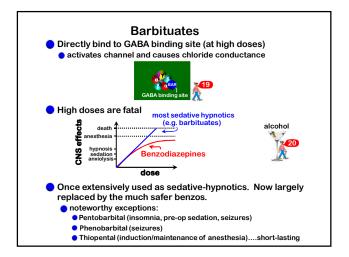
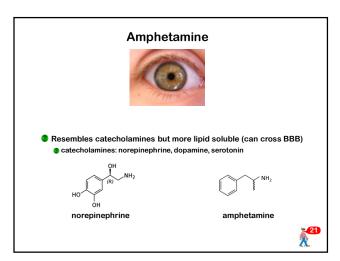
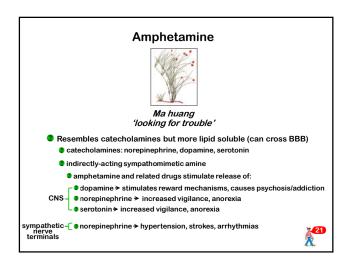


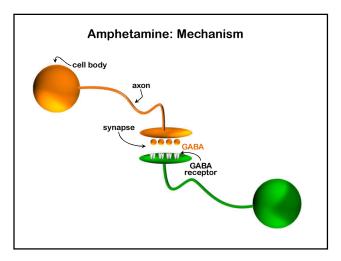
Benzodiazepines: Last Couple of Things Tolerance primarily observed with anticonvulsant actions limited tolerance observed with sedative-hypnotic & anxiolytic effects Dependence/Addiction physical dependence is usually mild follows general rule of drug dependence: higher dosage = more severe withdrawal longer 11/2 = less severe withdrawal estimated that 0.1-0.2% of adult population abuse or are dependent upon benzos (300,000-600,00 people in the U.S.) GABA receptors live in the VTA (ventral tegmental area) modulating GABA receptor activity in the VTA hypothesized to increase dopamine release Benzodiazepine blocker Flumazenil (Romazicon) benzodiazepine stupor potential risk of seizures

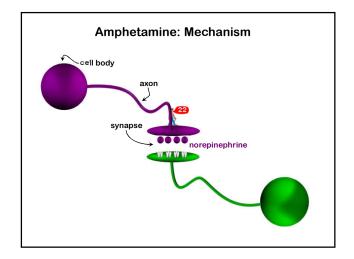


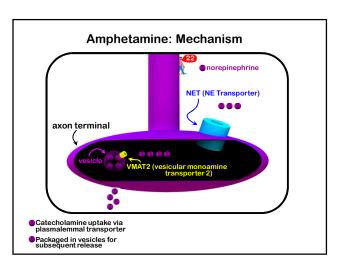


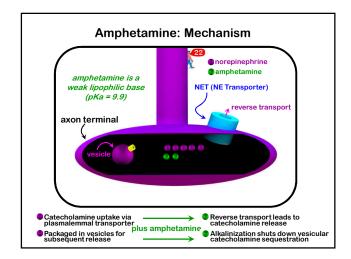


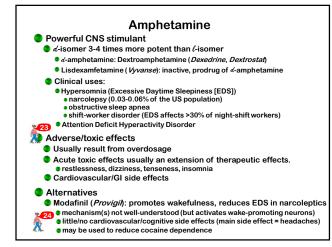


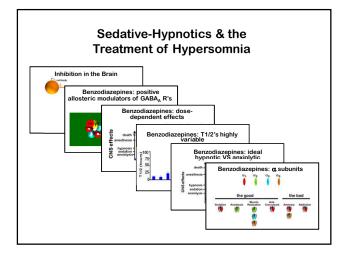


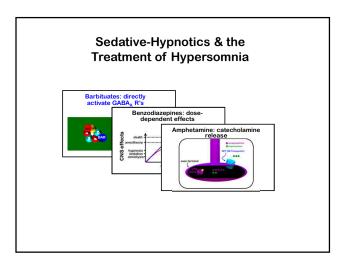












Sedative-Hypnotics & the Treatment of Hypersomnia

suggested reading

- Basic & Clinical Pharmacology, 12th ed. (chapter 22)
 Bertram G. Katzung, Susan B. Masters, Anthony J. Trevor
- Pharmacological Basis of Therapeutics, 12th ed. (Chapter 17) Goodman & Gilman

questions: markbeen@virginia.edu

