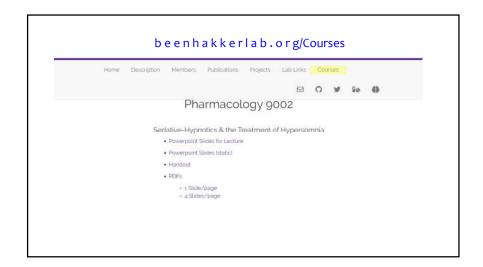
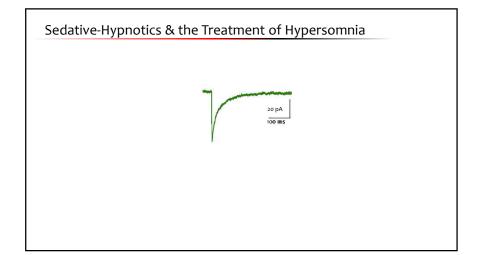
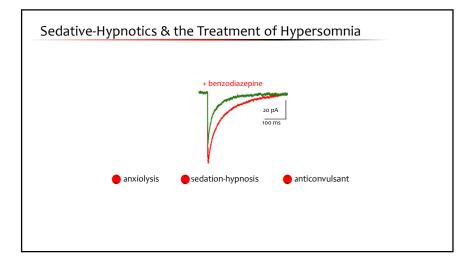
Sedatives, Hypnotics & Amphetamines

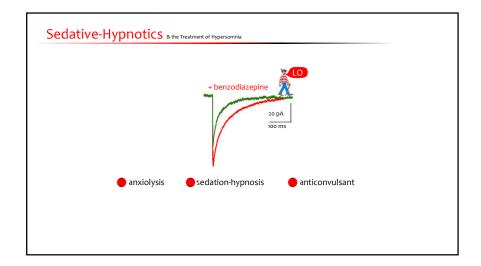
Mark Beenhakker Pharmacology markbeen@virginia.edu

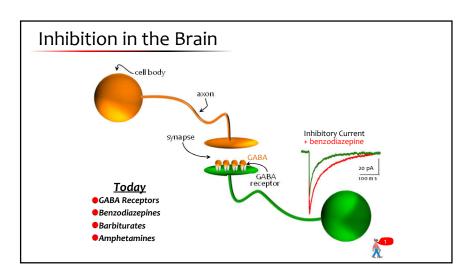
PHARM 9002

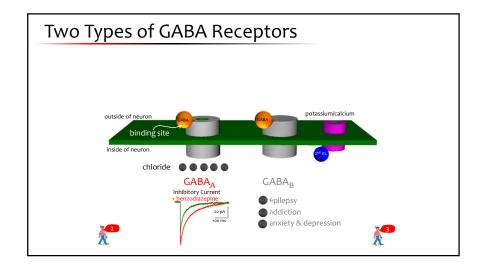


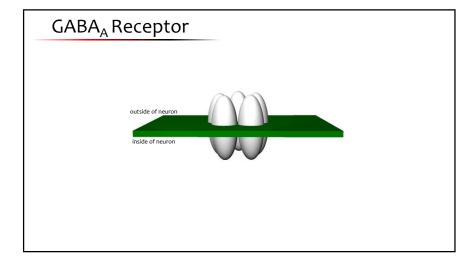


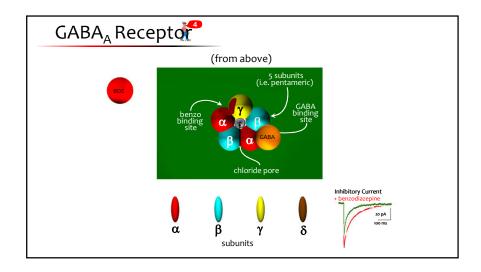


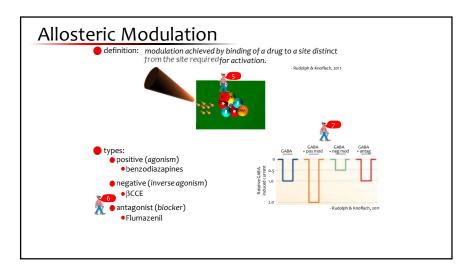


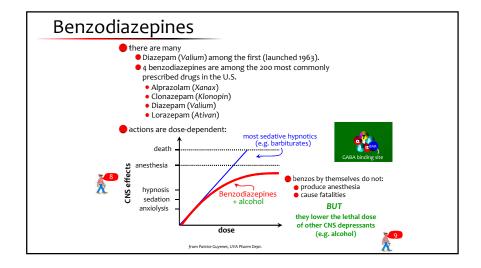


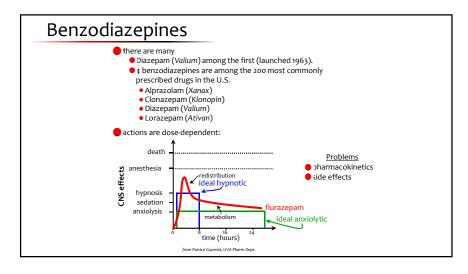


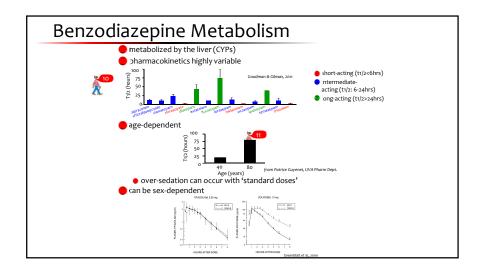


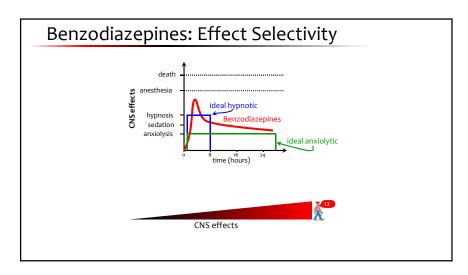


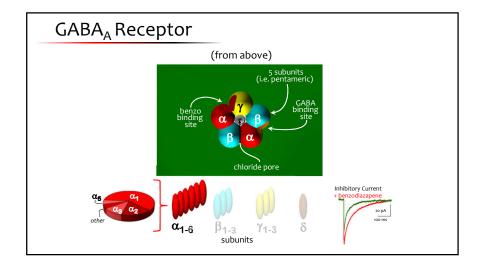


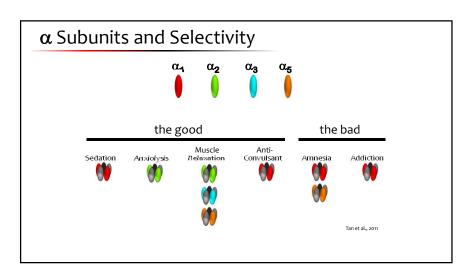




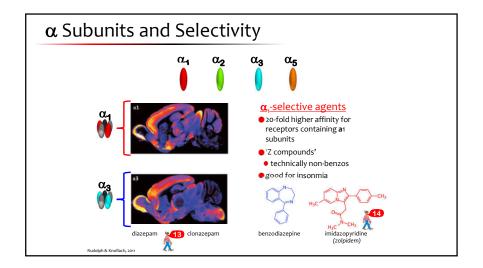


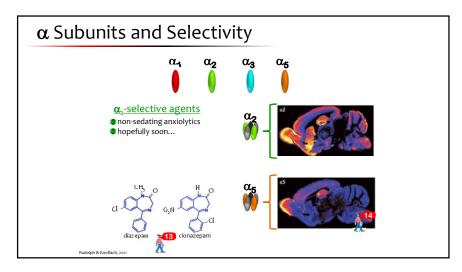


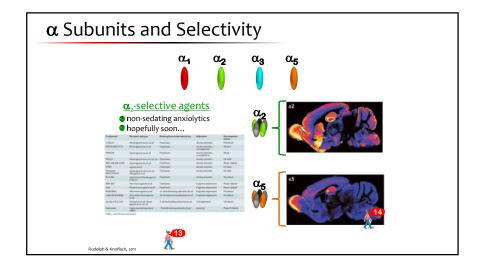


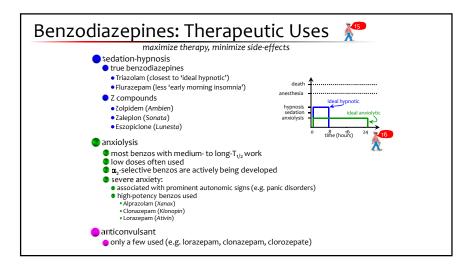


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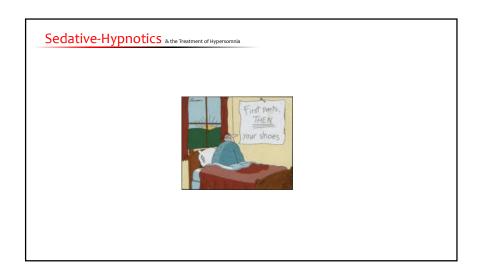


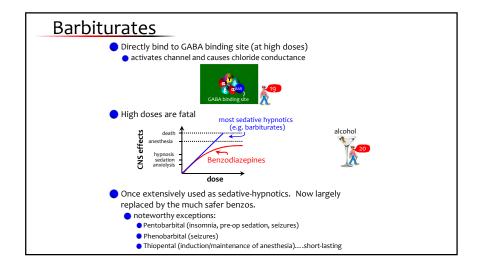


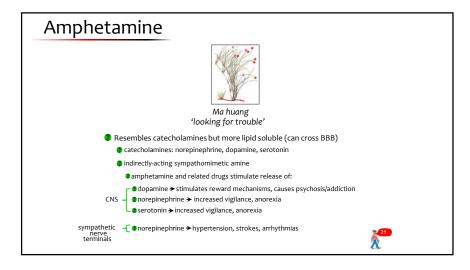


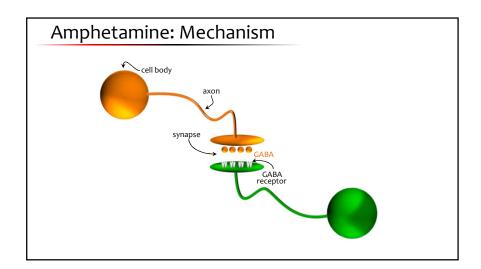


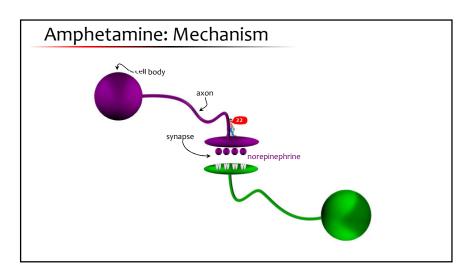
Benzodiazepines: Last Couple of Things primarily observed with anticonvulsant actions limited tolerance observed with sedative-hypnotic & anxiolytic effects Dependence/Addiction physical dependence is usually mild • follows general rule of drug dependence: higher dosage = more severe withdrawal longer t1/2 = less severe withdrawal • estimated that 0.1-0.2% of adult population abuse or are dependent upon benzos (300,000-600,000 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

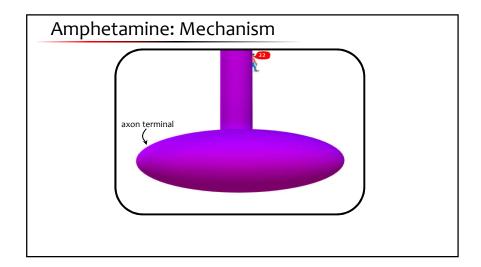


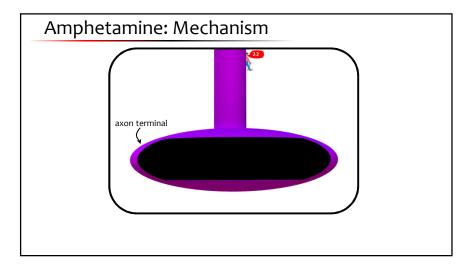












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