Pharmacology 1 and Prescription Knowledge

Sedative, hypnotic, neuroleptic/antiepileptic, antiseizure drugs, analeptics, prescription samples, pharmaceutical procedures

Refer lecturer for course updated notes.

Students are oblidged to follow the courses for evaluation process and presented notes are preliminary drafts for the whole evaluation process.

- Sedative and hypnotic drugs
- Introduction
- General pharmakokinetic properties
- General pharmacodynamic properties
- Clinical Uses
- Adverse Effects
- Problem-Oriented Patient example

Benzodiazepines

Agents with full agonist activity at benzodiazepine site

- (Alprazolam, Chlordiazepoxide , Clorazepate , Clonazepam ,Diazepam ,Estazolam ,Flunitrazepam ,Flurazepam ,Lorazepam ,Midazolam ,Oxazepam ,Temazepam ,Triazolam

Nonbenzodiazepines active mainly at the type 1 benzodiazepine site

- eszopiclone, zaleplon, and zolpidem

- Mechanism of action
- Dose-Response

- Barbiturates
- Amobarbital, aprobarbital, butabarbital, barbital, mephobarbital, methohexital, pentobarbital, phenobarbital, primidone, secobarbital, thiopental

- Mechanism of action
- Dose-Response

- Chloral hydrate
- Erhchlorvynol
- Etomidate
- Glutethimide
- Methprylon
- Meprobamate
- Methaqualone
- Paraldehyde
- Propofol
- Ramelteon
- Dexmedetomidine

- Tolerance/Withdrawal

- Ramelteon/Melatonin

antiepileptic/antiseizure/antipsycotic

- Epilepsy
- Seizures
- Post-ictal
- Grand mal seizure
- Petit mal seizure
- Myoclonus

- Mechanism of action
- Sodium channel blockers
- GABA receptor agonists
- GABA reuptake inhibitors
- GABA transaminase inhibitors
- AEDs with potential GABA mechanism of action
- Glutamate blockers
- AEDs with other mechanism of actions
- Neuronal potassium channel openers

Psychotropic Drugs Behaviour Modification Medications in Veterinary Medicine

- Augmentation of Behaviour Modification
- Reduction of Stress
- Sedation
- Duration of Therapy
- Informed Consent
- Antideppresants
- Benzodiazepines and trazodone
- Buspirone
- Combination therapy
- Client expectations – Proxy situations
- Case examples