Prct 362: Veterinary Pharmacy

Pharmacy Practice

This 2 credit hour course offers the pharmacy student an inroduction to veterinary pharmacy. Unique anatomic, phsiologic, and metabolic limitations that affect drug distribution in common veterinary species are described. Species variations in pharmacodynamic activity or pharmacokinetic behavior that conribute to differences in drug dosage requirements and adverse drug events are discussed, and attention is given to unusual sensiivity of particular animal species (of breeds) to the effects produced by certain drugs. Differences in a drug's behavior in humans verses veterinary species are stressed. Common disease states and pharmacologic treatment strategies are covered, including veterinary and human approved products along with appropriate options for compounded medications. Basic and clinical aspects of the more common toxicities that affect domestic animals are considered. The legal aspects of dispensing and compounding prescription drugs for companion animals and food-producing animals are discussed. Upon completion of this course the pharmacy student will be able to demonstrate sufficient knowledge and training to accurately interpret veterinar prescriptions, offer drug information consultations to veterinarians, council pet owners regarding appropriate drug adminisration and potential drug events, and legally and ethically compound and/or dispense medications for non-human patients.

2 Credits

Prerequisites

- Pre-requisite: Pharmacy PY1 or PY2

Instruction Type(s)

- Lecture: Lecture for Prct 362
- Lecture: Compressed Video for Prct 362
- Lecture: Web-based Lecture for Prct 362

Subject Areas

- Pharmacy, Pharmaceutical Sciences, and Administration, Other

Related Areas

- Clinical and Industrial Drug Development (MS, PhD)
- Industrial and Physical Pharmacy and Cosmetic Sciences (MS, PhD)
- Medicinal and Pharmaceutical Chemistry
- Natural Products Chemistry and Pharmacognosy (MS, PhD)
- Pharmaceutical Marketing and Management
- Pharmaceutical Sciences
- Pharmaceutics and Drug Design (MS, PhD)
- Pharmacoeconomics/Pharmaceutical Economics (MS, PhD)
- Pharmacy (PharmD - USA - PharmD, BS/BPharm - Canada)
- Pharmacy Administration and Pharmacy Policy and Regulatory Affairs (MS, PhD)

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