The impact of FARAD expertise on veterinary education and practice

OUTREACH

Teaching
- Foundational knowledge
  - Pharmacokinetics
    - Effect of route of administration and formulation on absorption and bioavailability
    - The effect of age, disease and altered physiological state on drug depletion
    - Inter-species differences
  - Pharmacodynamics
    - Drug toxicity/adverse effects
- Drug Regulation
  - Drug approval process
    - MRL/tolerances
    - Withdrawal times
  - Veterinarian-Client-Patient Relationship
  - Extra-label use
  - Compounding
  - Drug supply and quality assurance (counterfeits)
- Good veterinary practice
  - Animal identification
  - Record keeping
  - Client communication
  - Sourcing and storing drugs appropriately
  - Making sound therapeutic decisions
  - Prescription writing

Research
- Research
  - The effect of intra- and inter-individual pharmacokinetic variability on the risk for violative residues
  - Science-based risk-assessment and management of extralabel drug use and food animal exposure to environmental toxins and contaminants
  - Incidence of violative residues
  - Patterns in extralabel drug use

OUTCOME 1
Protection of Public Health through the prevention of exposure to harmful drug residues through food of animal origin

OUTCOME 2
Economic development through the breakdown of trade barriers