Antimicrobial use at UT Veterinary Medical Center

Block 1

Q1 Thank you for participating in this study. Please read the informed consent statement before proceeding by clicking on this link. (Consent form will open in a new window or tab.)
 Approved informed consent statement

Q2 I have read and understood the above informed consent statement and I have voluntarily chosen to participate in this study.

* Yes (1)
* No (2)

Skip To: End of Survey If Q2 = No (2)

Page Break

Q3 Which of the following best describes your primary patient load?

* Small animal (1)
* Equine (2)
* Food animal (3)
* Mixed animal (4)
* Exotic (5)
* Others (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q4 Which of the following best describes the nature of your clinical position?

* Faculty member with clinical duty expectations (1)
* Resident (2)
* Intern (3)

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Q5 Which of the following best describes your areas of service? (Please check all that apply)

* Oncology and radiation oncology (1)
* Ophthalmology (2)
* Nutrition (3)
* Radiology and veterinary imaging service (4)
* Rehabilitation and physical therapy (5)
* Soft tissue surgery (6)
* Orthopedic surgery (7)
* Avian, exotic and zoological medicine (8)
* Neurology (9)
* Internal medicine (10)
* Emergency/critical care/ICU (11)
* Dermatology (12)
* Cardiology (13)
* Anesthesia (14)
* Behavioral medicine (15)
* Dentistry (16)
* Field services-equine (17)
* Field services-food animal (18)
* In - hospital equine (19)
* In - hospital food animal (20)
* Theriogenology (21)
* Others (22) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q6 Which of the following describes the period of your graduation from veterinary school ?

* 1960s (1)
* 1970s (2)
* 1980s (3)
* 1990s (4)
* 2000s (5)
* 2010 and above (6)

Q7 Which of the following best describes your total number of years in clinical practice from the time you graduated from veterinary school?

* < 1 year (1)
* 1 - 5 years (2)
* 6 – 10 years (3)
* 11 - 15 years (4)
* 16 - 20 years (5)
* 21 - 25 years (6)
* 26 - 30 years (7)
* > 30 years (8)

Page Break

Q8 How many years have you been in clinical practice at UT Veterinary Medical center?

* < 1 year (1)
* 1 - 5 years (2)
* 6 – 10 years (3)
* 11 - 15 years (4)
* 16 - 20 years (5)
* 21 - 25 years (6)
* 26 - 30 years (7)
* > 30 years (8)

Page Break

Q9  From where did you obtain your veterinary degree?

* U.S veterinary school (1)
* Non - U.S veterinary school (2)

Q10 Do you have specialty board certification?

* Yes (1)
* No (2)
* Approved for exam, but not yet certified (3)

Page Break

Q11 What proportion of your total professional activity is dedicated to clinical practice?

* Less than 20% (1)
* 20-39% (2)
* 40-59% (3)
* 60-79% (4)
* 80-100% (5)

Q12 How often do you prescribe antimicrobials for therapeutic treatment of infectious diseases in your clinical setting?

* Never (1)
* Once a week (2)
* 2 times a week (3)
* 3 - 5 times a week (4)
* > 5 times a week (5)

Page Break

Q13 How often do you prescribe antimicrobials for **metaphylaxis**?

* Never (1)
* Once a week (2)
* 2 times a week (3)
* 3 - 5 times a week (4)
* > 5 times a week (5)

Q14 How often do you prescribe antimicrobials for **prophylaxis** of infectious diseases?

* Never (1)
* Once a week (2)
* 2 times a week (3)
* 3 - 5 times a week (4)
* > 5 times a week (5)

Skip To: Q18 If Q14 = Never (1)

Page Break

Q15 How often do you prescribe antimicrobials for **peri-operative** prophylaxis of infections?

* Never (1)
* 1 - 2 cases out of every 10 surgical patients (2)
* 3 - 5 cases out of every 10 surgical patients (3)
* 6-8 cases out of every 10 surgical patients (4)
* > 8 cases out of every 10 surgical patients (5)

Page Break

Q16 How often do you prescribe antimicrobials for **pre-operative** prophylaxis of infections?

* Never (1)
* 1 - 2 cases out of every 10 surgical patients (2)
* 3 - 5 cases out of every 10 surgical patients (3)
* 6 - 8 cases out of every 10 surgical patients (4)
* > 8 cases out of every 10 surgical patients (5)

Q17 How often do you prescribe antimicrobials to prevent **post-operative** infections?

* Never (1)
* 1 - 2 cases out of every 10 surgical patients (2)
* 3 - 5 cases out of every 10 surgical patients (3)
* 6 - 8 cases out of every 10 surgical patients (4)
* > 8 cases out of every 10 surgical patients (5)

Page Break

Q18 How familiar are you with "The Veterinarian-Client-Patient-Relationship"?

* Not familiar at all (1)
* Slightly familar (2)
* Moderately familiar (3)
* Very familiar (4)
* Extremely familiar (5)

Q19  How often do you utilize  "The Veterinarian-Client-Patient-Relationship" in your antimicrobial prescription practice?

* Never (1)
* Rarely (2)
* Sometimes (3)
* Often (4)
* Always (5)

Q20 Which one of the following best represents your opinion about antimicrobial use at UT Veterinary Medical Center?

* Antimicrobials are sometimes prescribed based on no documented evidence of infection. (1)
* Antimicrobials are sometimes prescribed for suspected (but not confirmed) infections. (2)
* Antimicrobials are prescribed based only on confirmed infection. (3)
* Not sure (4)

Page Break

Q21 How important are the following factors in determining your choice of antimicrobial for clinical use?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all important (1) | Slightly important (2) | Moderately important (3) | Very important (4) | Extremely important (5) |
| Clinical signs (1)  |  |  |  |  |  |
| History of previous antimicrobial use on the animal (2)  |  |  |  |  |  |
| Pressure from clients/producers (3)  |  |  |  |  |  |
| Peer or colleague recommendations (4)  |  |  |  |  |  |
| Cost implications (5)  |  |  |  |  |  |
| Results of cytological evaluation (6)  |  |  |  |  |  |
| Results of bacteriological culture and antimicrobial susceptibility testing (7)  |  |  |  |  |  |
| Route of administration (8)  |  |  |  |  |  |
| Frequency of administration (9)  |  |  |  |  |  |
| Medication size or volume (10)  |  |  |  |  |  |
| UT Veterinary Medical Center antimicrobial use policy/guidelines (11)  |  |  |  |  |  |
| Potential for adverse reactions (12)  |  |  |  |  |  |
| Availability of antimicrobial agent(s) (13)  |  |  |  |  |  |
| Concerns about antimicrobial resistance issues in animals (14)  |  |  |  |  |  |
| Concerns about antimicrobial resistance issues in humans (15)  |  |  |  |  |  |
| Fear of litigation by the client/producer in the event of an undesirable clinical outcome (16)  |  |  |  |  |  |
| Concerns about animal welfare (17)  |  |  |  |  |  |
| Prudent use guidelines (18)  |  |  |  |  |  |
| Drug withdrawal periods (19)  |  |  |  |  |  |
| Compliance by the client/producer to the prescription (20)  |  |  |  |  |  |

Page Break

Q22 How important are the following sources of antimicrobial information in determining your choice of antimicrobial for clinical use?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all Important (1) | Slightly important (2) | Moderately important (3) | Very important (4) | Extremely important (5) |
| Pharmaceutical company representative (1)  |  |  |  |  |  |
| Label or package insert (2)  |  |  |  |  |  |
| Peer-reviewed scientific literature (3)  |  |  |  |  |  |
| Peers within my service (4)  |  |  |  |  |  |
| Peers outside of service (clinician or pharmacist) (5)  |  |  |  |  |  |
| Veterinary Information Network (VIN) (6)  |  |  |  |  |  |
| UTCVM formulary (7)  |  |  |  |  |  |
| Online resource e. g. blog, media post, or web search (8)  |  |  |  |  |  |
| Textbook or drug handbook (9)  |  |  |  |  |  |
| Applications on a smart phone or tablet (10)  |  |  |  |  |  |
| Online formulary (11)  |  |  |  |  |  |

Page Break

Q23 How would you rank the following classes of antimicrobials based on your frequency of prescription?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Never (1) | Rarely (2) | Sometimes (3) | Very often (4) | Always (5) |
| Aminoglyosides (1)  |  |  |  |  |  |
| Cephalosporins (2)  |  |  |  |  |  |
| Fluoroquinolones (3)  |  |  |  |  |  |
| Lincosamides (4)  |  |  |  |  |  |
| Macrolides (5)  |  |  |  |  |  |
| Penicillins (6)  |  |  |  |  |  |
| Sulfas (7)  |  |  |  |  |  |
| Tetracyclines (8)  |  |  |  |  |  |

Page Break

Q24 To what extent did your DVM (veterinary medical) training alone, adequately equip you with knowledge on rational use of antimicrobials?

* Not at all (1)
* A little (2)
* Somewhat (3)
* Quite a bit (4)
* Very much (5)

Q25 Do present day veterinary medical students receive adequate training on rational use of antimicrobials?

* Not at all (1)
* A little (2)
* Somewhat (3)
* Quite a bit (4)
* Very much (5)

Page Break

Q26 How frequently do you read FDA/AVMA guidelines for judicious use of antimicrobials? (Check only one.)

* Never (1)
* Rarely (2)
* Sometimes (3)
* Very often (4)
* Always (5)

Page Break

Q27 Antimicrobial stewardship programs are coordinated interventions designed to improve and measure the appropriate use of antimicrobials by promoting the selection of optimal antimicrobial regimen, dose, and duration of therapy and route of administration. Does the UT Veterinary Medical Center have an antimicrobial stewardship program?

* No (1)
* Not sure (2)
* Yes (3)

Display This Question:

If Antimicrobial stewardship programs are coordinated interventions designed to improve and measure... = No

Q28 Do you think the UT Veterinary Medical Center should develop and implement an antimicrobial stewardship program?

* Yes (1)
* No (2)
* Not sure (3)

Q29 Which one of the following best represents your opinion about antimicrobial prescription at the UT Veterinary Medical Center?

* Antimicrobials are under prescribed (1)
* Antimicrobials are optimally prescribed (2)
* Antimicrobials are over-prescribed (3)

Q30 How do you rate your degree of concern about antimicrobial-resistant infections?

* Not concerned (1)
* Slightly concerned (2)
* Moderately concerned (3)
* Quite concerned (4)
* Very concerned (5)

Page Break

Q31 How do you rate other veterinarians’ concerns about antimicrobial resistance?

* Not concerned (1)
* Slightly concerned (2)
* Moderately concerned (3)
* Quite concerned (4)
* Very concerned (5)

Q32 How do you rate the majority of your clients’ concerns about antimicrobial resistance?

* Not concerned (1)
* Slightly concerned (2)
* Moderately concerned (3)
* Quite concerned (4)
* Very concerned (5)

Page Break

Q33 To what extent do you agree or disagree with the following statement? "Antimicrobial classes commonly used in human medicine should not be used in veterinary medicine because their use in veterinary medicine selects for antimicrobial resistance in microbes affecting humans."

* Strongly disagree (1)
* Disagree (2)
* Neither disagree nor agree (3)
* Agree (4)
* Strongly agree (5)

Q34 To what extent do you agree or disagree with the following statement? "Antimicrobial drug use in veterinary practice may lead to antimicrobial resistance in pathogens affecting humans."

* Strongly disagree (1)
* Disagree (2)
* Neither disagree nor agree (3)
* Agree (4)
* Strongly agree (5)

Page Break

Q35 To what extent do you agree or disagree with the following statement? "Veterinarians who grew up on farms tend to prescribe antimicrobials more often than veterinarians who did not grow up in farms."

* Strongly disagree (1)
* Disagree (2)
* Neither disagree nor agree (3)
* Agree (4)
* Strongly agree (5)

Page Break

Q36 What are the 5 antimicrobial drugs that you commonly prescribe? (Rank from the most to the least.)

* 1. *Most used* (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 2. (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 3. (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 4. (4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 5. *Least used* (5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q37 What is your year of graduation from veterinary school?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q38  Which of the following best describes your gender?

* Male (1)
* Female (2)
* Prefer not to answer (3)

End of Block

Block 1

Q39 Additional comments:

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