Supplemental Appendix 1: VP Survey

Thank you for participating in this survey study. The following questionnaire is aimed at veterinary professionals and is designed to provide input on views on clinical research in veterinary medicine. This study is for research purposes only and is not involved with commercial or marketing interests. Our objective is to better understand factors involved in veterinarians’ thoughts and attitudes toward clinical research. Your participation is greatly appreciated.

For the purposes of this survey, a clinical research trial is a study that enrolls patients for the evaluation of a procedure, medication, or device. These may be controlled evaluations of existing modalities, or evaluation of new or experimental procedures, medications, or devices. The ultimate aim of these studies is benefit to the veterinary patient population.

We estimate the questionnaire will take 10-15 minutes to complete. The identity of individual responses will remain anonymous in data analysis and no personal details will be collected or passed on to third parties. Please complete the questionnaire only one time.

**PART 1**

*1. Are you a ...? Please select all options that apply:
- Veterinarian
- Nurse/Technician
- Veterinary Student
- Student Nurse/Technician
- Practice manager
- Other – please specify

*2. Are you a member/affiliate of ...? Please select all options that apply:
- VIN
- AAFP
- ISFM
- BSAVA
- AVMA
- AAHA
- None
- Other – please specify

3. For qualified (graduated) veterinarians, please provide:
   a. The institution and country awarding your vet degree
   b. Your year of graduation

*4. Where is your current practice/employment located? Please enter your work place postal or ZIP code

*5. In which country are you currently employed?

*6. Which term best describes your current practice/employment?
   - General practice (small animal only, +/- exotics)
   - General practice (mixed animal)
   - General practice (large animal only)
   - Exotics only
   - Feline only
   - Referral/specialty
   - Research/Academia
   - Industry
   - Shelter/rescue/charity clinic
   - Other, please specify

7. Please select all the species you see in your practice/employment:
   - Dogs
   - Cats
   - Small mammals
   - Avian species
   - Reptiles
   - Equine & Food Animal
   - Small ruminants
   - Zoo/large exotic species
   - None

   a. Over the past year, what percentage of your caseload has been dogs?
   b. Over the past year, what percentage of your caseload has been cats?
   c. Over the past year, what percentage of your caseload has been small mammals?
   d. Over the past year, what percentage of your caseload has been avian species?
   e. Over the past year, what percentage of your caseload has been reptiles?

*8. Do you spend some percentage of your time engaged in research?
   - Yes
   - No
PART 2
* 9. Have you recommended a clinical trial for one of your clients/patients in the past?
   - Yes
   - No

* a. In the future, would you consider recommending a clinical trial for one of your patients?
   - Yes
   - No
   - Unsure

* 10. Have you participated in a clinical trial in the past (screened or enrolled patients, collected data, etc)?
   - Yes
   - No

* 11. What areas, if any, within veterinary medicine do you think are in the most need of randomized clinical trials?

* 12. How do you find information about clinical trials in your area?
   - Word of mouth
   - Mailshot/mailed flyers
   - Emailed flyers/adverts
   - Through workplace
   - Clinical trial website
   - I do not typically hear about clinical trials in my area
   - Through journals
   - Other, please specify

PART 3
* Please indicate your level of agreement or disagreement with the following statements (strongly disagree to strongly agree)

13. I believe that clinical trials are important in veterinary medicine
14. I believe that current therapies (already in use) should be evaluated by clinical trials rather than based on anecdotal evidence
15. I believe that I received enough education on clinical trials during veterinary school
16. I feel comfortable discussing clinical trials and informed consent with my clients
17. I believe veterinarians have a role in recommending clinical trials to owners
18. I believe veterinarians should select the clients/patients they recommend for clinical trials rather than promoting information about all available trials
19. I believe pet owners in my area are aware of clinical trials that are available
20. I believe most pet owners at my practice would be fearful about clinical trials with their pet

PART 4
* Please indicate whether the following factors would make you more, or less likely to recommend a clinical trial to one of your patients (most likely to least likely):

21. The clinical trial would be conducted within my practice/hospital
22. The clinical trial was sponsored/run by an academic institution
23. The clinical trial involved an investigator I was familiar with (and/or thought highly of)
24. The clinical trial was sponsored by industry
25. Results of the clinical trial would be made available to me
26. Results of the clinical trial would be published, even if findings were negative
27. The trial involved a new or experimental medicine or procedure
28. The trial compensated me for my time/involvement
29. The trial compensated owners/pets for their involvement
30. The trial involved a medication or procedure approved in another country but not yet in my country
31. The trial involved collection of routine samples that could be collected non-invasively (such as fecal samples, hair samples, wearing a small, external monitoring device)
32. The trial involved collection of routine samples that could be collected in a minimally invasive way (such as venipuncture for blood samples, urinalysis)
33. The trial involved collection of non-routine samples that required more invasive sampling (such as endoscopy or biopsy)
34. The trial was testing a treatment for a disease that was uncommon/rare
35. The trial was testing a new treatment for a disease with an established, successful standard of care
36. Please list any other influential factors that we did not ask about (optional):

© 2017, American Veterinary Medical Association
PART 5
* Please rate the importance to you in considering recommendation of clinical trials
(1 = Not at all important and 5 = Extremely important)

37. Inconvenience to the owner
38. Concern about putting the research study needs and protocol before patient needs
39. Concern about changes to the Doctor-Patient-Client relationship
40. Fear of loss of trust from owners/clients
41. Concern about loss of case control
42. The amount of time required to explain the trial to the owner (including risks/benefits)
43. Belief in the importance of the study
44. The amount of time required to assess/treat/enroll the patient
45. Concern about loss of clients
46. The amount of paperwork that would be required by the trial
47. Concern about my understanding or knowledge of available clinical trials
48. Please list any other important factors that we did not ask about (optional):

* 49. How much time, per case, would you be willing to dedicate to a clinical trial (case recruitment, sample collection, etc.)?
   • None
   • 1-15 min/case
   • 16-30 min/case
   • 31-45 min/case
   • 46-60 min/case
   • >1 hour/case

* 50. Considering only dogs and cats, and a study lasting 4 months, how many visits do you think the average DOG owner would be willing to make to participate in a trial?
   • More than one visit per week
   • One visit per week
   • One visit per month
   • One visit every other month
   • One visit total

* 51. Considering only dogs and cats, and a study lasting 4 months, how many visits do you think the average CAT owner would be willing to make to participate in a trial?
   • More than one visit per week
   • One visit per week
   • One visit per month
   • One visit every other month
   • One visit total

PART 6
This is the second last section... nearly there!
* Please indicate whether the following owner/pet characteristics would make you more or less likely to recommend a clinical trial (much less likely to much more likely)
52. Owner lived in a remote location
53. Owner was economically disadvantaged
54. Owner lacked reliable transportation
55. Owner did not have English as a first language
56. I believed the patient would be cooperative
57. The pet was healthy
58. The pet was sick, but would likely recover
59. The pet had a very poor prognosis
60. There was a 20% chance of the pet receiving a placebo
61. There was a 50% chance of the pet receiving a placebo
62. There was an 80% chance of the pet receiving a placebo
63. Please list any other influential factors that we did not ask about (optional):
PART 7
Just one more section to go, thank you!
* Please rate what you believe is the importance, in general, to OWNERS in considering participation in a clinical trial (1 = Not at all important and 5 = Extremely important)
64. Their pet suffered from a condition that might benefit from the trial
65. Their veterinarian recommended the trial
66. The medication or procedure was experimental or unproven
67. Distance they would need to travel for the trial
68. Number of visits required for the trial
69. Length of each visit required for the trial
70. Their pet would need to wear a monitoring device of some type
71. They would be required to complete a daily journal for the trial
72. The trial required them to fast their pet before visits
73. The trial required 15-30 minutes each day (in activities, journaling, etc)
74. The trial required 30-45 minutes each day (in activities, journaling, etc)
75. Safety of the procedure/device/treatment under study
76. Costs associated with participating in the trial
77. Please list any other factors you believe are important to owners that we did not ask about (optional):

Final Questions
* 78. How would you rate your overall feelings about clinical trials in veterinary medicine?
  • Strongly negative
  • Negative
  • Neutral
  • Positive
  • Strongly positive

* 79. What do you think is the best way to advertise clinical trials in veterinary medicine in your area?
  • Email to the practice
  • Fax to the practice
  • Printed information sent to the practice
  • Visit from the study investigator to the practice
  • A clinical trials website for the area
  • Via continuing professional development/continuing education course (eg webinar, conferences)
  • Other, please specify

* b. What do you think is the next best way to advertise clinical trials in veterinary medicine in your area
  • Email to the practice
  • Fax to the practice
  • Printed information sent to the practice
  • Visit from the study investigator to the practice
  • A clinical trials website for the area
  • Via continuing professional development/continuing education course (eg webinar, conferences)
  • None
  • Other, please specify

* 80. What do you believe would be the best incentive for owners considering participation in a clinical trial?
  • Free services (labwork, radiographs, examinations)
  • Financial remuneration (such as gift cards)
  • Gifts for their pet
  • Other, please specify

* b. What do you believe would be the next best incentive?
  • Free services (labwork, radiographs, examinations)
  • Financial remuneration (such as gift cards)
  • Gifts for their pet
  • None
  • Other, please specify

81. Any other comments you would like to leave about clinical trials in veterinary medicine?