

AVTCP Production Medicine Skills List

A minimum of 80% of the skills must be mastered. Skills must be cross referenced in your case logs.

Skill	Case Log Number(s)	Signature of Veterinarian or VTS
General Nursing		
1. Perform a complete physical exam (assess peripheral pulses, i.d. abnormal heart/lung sounds, ruminations, body condition score)		
2. Efficient and accurate calculation of drug dosages		
3. Mastery of venipuncture in healthy and sick and/or debilitated animals		
4. Mastery of venipuncture via jugular and tail vein		
5. Mastery of urine sample collection		
6. Mastery of milk sample collection		
7. Proficiency in cattle restraint (running a chute, recognizing a choke situation, mastering knots for restraint such as a bowline, tomfools or halter)		
8. Mastery of IV catheter placement		
9. Proficient in proper placement of an esophageal feeder		
10. Advanced knowledge of fluid therapy in dehydrated animals		
11. Mastery of proper wound management techniques and proper applications of bandages, splints and casts		
12. Advanced knowledge of grains and forages		
13. Proficiency in age determination by animal's teeth		
Pharmacology		
14. Extensive knowledge of groups of drugs, their mechanisms, clinically relevant side effects, and accurate evaluation of therapeutic responses		
15. Extensive knowledge of types of vaccines, their immunological mechanisms and adverse vaccine reactions		
16. Extensive knowledge of estrus synchronization products and their appropriate uses.		
17. Proficiency in administration of enteral medications using a dose syringe, balling gun, and/or stomach tube		
Practice Management		
18. Supervise the creation and maintenance of all appropriate facility records and logs in compliance with regulatory guidelines (e.g., x-ray, surgery, anesthesia, laboratory, controlled substances)		
19. Instruct and supervise staff in the accurate recording of medical information		
20. Proficiency in the management of inventory control		
21. Establish and supervise the maintenance of appropriate sanitation and nosocomial protocols for a veterinary facility including animal handling areas and necropsy areas		
22. Outstanding interpersonal and public relations skills		

Anesthesia/ Analgesia		
23. Proficient and efficient dose calculations of appropriate drugs		
24. Mastery of endotracheal intubation and tube placement in routine and emergent situations		
25. Monitor and evaluate patient status and anesthetic depth using established parameters such as outward involuntary physical responses (i.e., jaw tone, palpebral reflex, eye position), blood pressure, heart rate, and respiratory rate		
26. Set up, maintain, and troubleshoot an anesthesia machine (oxygen tank, vaporizer, CO2 absorbent)		
27. Perform a caudal epidural and a variety of local blocks for various surgeries		
Surgical Nursing		
28. Extensive knowledge of and ability to set up necessary equipment and supplies for a variety of surgeries		
29. Advanced knowledge of proper care of surgical instruments and equipment		
30. Proficiency in identification and advanced knowledge of appropriate and relevant suture material		
31. Proficiency in the recognition of dystocia and identification of its stages		
32. Proficiency in the recognition of prolapse emergencies (rectal vs. vaginal)		
33. Supervise staff in proper surgical supply sterilization procedures (autoclave, ethylene oxide)		
Laboratory		
34. Mastery of all basic laboratory testing (CBC, fibrinogen, UA, fecal analysis, external parasite analysis, basic cytology, blood smear evaluation) and evaluation of results.		
35. Utilize, maintain, and troubleshoot in-house hematology and clinical chemistry analyzers and evaluate results		
36. Knowledge of and properly perform a variety of IgG tests		
37. Properly collect, handle, and perform basic microbiology procedures (Perform biochemical tests to identify bacteria and perform a sensitivity)		
38. Properly perform a residue test for slaughter		
39. Knowledge of a BSE according to the Society of Theriogenology standards (collecting a semen sample, preparing, and examining a slide for motility and morphology and thorough knowledge of normal sperm cells and their defects)		
40. Properly perform a CMT		
Diagnostic Imaging		
41. Mastery of basic radiology procedures and implementing and observing all safety rules.		
42. Demonstrate accuracy and efficiency in positioning patients for a variety of radiographic studies (thorax, abdomen, spine, skull, extremity, shoulder, pelvis)		
43. Accurate and consistent evaluation and modification of radiographic technique		
44. Demonstrate the ability to set up, maintain equipment, and assist with or perform ultrasonography		

Necropsy Procedures		
45. Properly perform a correct necropsy for rendering		
46. Properly collect and/or handle and submit necropsy samples for histopathology		
47. Knowledge of correct euthanasia procedures for rendering		
48. Mastery of knife sharpening and care		

The AVTCP reserves the right to verify any information that the candidate provides in the application packet

The AVTCP requires that a licensed veterinarian or a Veterinary Technician Specialist who has mastered the skill, attest to your ability to perform the task. Mastery is defined as being able to perform the task safely, with a high degree of success, and without being coached or prompted no less than four (4) times. Mastery requires having performed the task in a wide variety of patients and situations. The applicant must have mastered a minimum of 80% of the skills listed. The skills mastered must be demonstrated in the case logs and reports.

I, the undersigned, declare that I have read the entire AVTCP application packet. I further attest that the above-named applicant has achieved the AVTCP definition of mastery for the above skills that are marked with my signature.

Name _____ / _____ Degree _____
Printed Name Signature

Name _____ / _____ Degree _____
Printed Name Signature

Name _____ / _____ Degree _____
Printed Name Signature

Name _____ / _____ Degree _____
Printed Name Signature

Name _____ / _____ Degree _____
Printed Name Signature

Please provide the names and credentials of all persons who have signed this form attesting to your mastery of advanced skills in clinical practice.