

## 2021 AIMVT Large Animal IM Advanced Skills Reference List

This is **NOT** the list you will submit with your application. Use this only as a reference.

The submission form can be found here: [Large Animal IM Skills List](#)

1. Perform pre-anesthesia examinations to determine safety and risk for internal medicine cases.	2. Perform patient pain assessment and implement prescribed analgesic plan including local, systemic, and regional pain management. Recognize insufficiencies in pain management and propose alternatives.
3. Properly collect, handle, and store samples of an excretion, secretion, or effusion for laboratory evaluation.	4. Properly collect and handle arterial blood samples for laboratory evaluation.
5. Properly collect and/or handle and store cytology samples for laboratory evaluation.	6. Properly set up and assist with arthrocentesis and handling of obtained samples.
7. Properly perform a complete physical exam (PE) on at least one monogastric and one multigastric species. The PE includes: auscultation of the heart, lungs, and GI tract; palpation of pulses; and evaluation of pupil light reflex.	8. Properly perform neonatal assessment and exam of multiple large animal species.
9. Properly assess dentition of patients and its impact on the patient's health condition.	10. Properly set-up and assist or perform a breeding soundness exam.
11. Properly set-up and assist or perform in two of the following: contrast radiographs, magnetic resonance imaging, computed tomography, or myelography.	12. Properly set-up and assist or perform diagnostic ultrasound.
13. Properly perform blood typing and cross match/agglutination.	14. Properly perform a Trichomoniasis test.
15. Properly and aseptically obtain blood culture samples.	16. Properly perform analysis, clearly explain testing rationale and troubleshooting process and equipment used for at least SEVEN of the following laboratory tests: a. osmolality b. colloid oncotic pressure c. fibrinogen d. complete blood count e. serum chemistry f. electrolytes g. dermatologic studies h. colostrum i. coagulation j. blood gas and acid/base
17. Properly perform microscopy, clearly explain testing rationale, and troubleshooting process and equipment used for cytology, white count determination, or semen evaluation.	18. Properly set up and assist with or perform semen collection, fresh cooled processing OR freezing and storage, transport, or shipment.
19. Properly set-up and perform a base-apex electrocardiogram for multiple large animal species.	20. Properly set-up and perform central venous pressure measurements.
21. Properly set-up and perform oxygen saturation measurements.	22. Properly calculate and implement a nutritional plan for neonates, monogastric large animals, and multigastric large animals.
23. Properly calculate, set-up, administer, maintain, and handle total parenteral and partial parenteral nutrition.	24. Properly calculate, prepare, administer, and monitor a prescribed constant rate infusion.
25. Properly maintain, calibrate, and troubleshoot monitoring equipment.	26. Properly maintain, calibrate and troubleshoot administration equipment.
27. Properly maintain, calibrate, and troubleshoot diagnostic equipment.	28. Properly select, place - or assist in placement - and maintain a multi-lumen catheter.
29. Properly select, place - or assist in placement - and maintain at least one of the following specialty catheters: intra-arterial, intra-osseous, intra-articular.	30. Direct the implementation of isolation protocols specific to your practice, including specific protocols for neonatal and/or orthopedic units.

31. Direct the implementation of reverse isolation protocols specific to your practice, including specific protocols for neonatal and/or orthopedic units.	32. Properly set up, apply - or assist in the application of - prescribed splints and bandages.
33. Properly set-up, assist, or administer intra-articular injections.	34. Properly set-up, assist, or administer intraosseous injections.
35. Properly set-up, initiate, monitor, and maintain oxygen therapy in the neonatal large animal.	36. Properly set-up, initiate, monitor, and maintain oxygen therapy in the adult large animal.
37. Properly set-up, apply - or assist in the application of - slings in multiple species and patient sizes.	38. Properly set-up and assist with dystocia delivery.
39. Properly set-up and assist or perform embryo transfer.	40. Properly set-up and assist or perform artificial insemination.
41. Properly assess and/or assist with emergent down or neurologic animals.	42. Properly set-up, assist, maintain, and troubleshoot chest tubes/drains.
43. Properly set-up, and maintain an open airway via intubation or nasal cannulation.	44. Properly set-up, assist or perform, and maintain positive pressure ventilation.
45. Properly restrain/handle neonates of various species.	46. Properly intervene in the thermoregulation of large animal neonates.
47. Properly and safely administer cardiopulmonary resuscitation in large animal species.	48. Properly set-up and assist or perform abdominal lavage.
49. Properly set-up and assist in THREE of the following biopsies: a. bone marrow b. kidney c. liver d. muscle e. rectal mucosal f. skin g. uterine	50. Properly prepare patient, set up and maintain equipment, and assist with or perform at least THREE of the following endoscopy procedures: a. GI endoscopy b. rhinoscopy c. bronchoscopy d. endoscopic tracheal wash e. cystoscopy f. bronchoalveolar lavage g. urethroscopy h. hysteroscopy
51. Properly prepare the patient, set-up and assist with a cerebrospinal fluid tap (atlanto-occipital {AO} and/or lumbosacral).	52. Properly prepare the patient, set-up and assist with a paracentesis (thoracocentesis, abdominocentesis or pericardiocentesis).
53. Properly harvest and process various blood products and safely administer blood products and monitor patient throughout transfusion.	54. Properly place and maintain a urinary catheter in FEMALES of TWO large animal species.
55. Properly place and maintain a urinary catheter in a MALE equine patient.	56. Properly apply wound management techniques.
57. Properly perform at least FIVE of the following prescribed physical therapy modalities: a. massage therapy b. therapeutic exercises c. range of motion d. hydrotherapy e. cryotherapy f. heat g. ultrasonic h. magnetic stimulation i. electrical stimulation	58. Properly set up, assist, or perform at least TWO of the following: a. nasogastric tube placement in adult equine b. nasogastric tube placement in neonatal large animal species c. orogastric placement in multigastric large animal species
59. Properly set up, assist or perform transtracheal aspiration or bronchoalveolar lavage (non-ultrasound guided).	