

## 2022 AIMVT Production 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: [Production Animal IM Skills List](#)

<p>1. Perform pre-anesthesia examinations to determine safety and risk for internal medicine cases. Case Logs citing this skill must include a brief discussion of the specific risks to the specific patient and the specific procedure.</p>	<p>2. Perform patient pain assessment. Case Logs citing this skill must include the scoring system used, the patient's score, and pertinent information as to how the score was determined.</p>
<p>3. Implement and properly perform prescribed analgesic plan including local, systemic, and regional pain management. For local anesthesia, a minimum of two of the following methods must be demonstrated in the Logs:</p> <ul style="list-style-type: none"> <li>a. Cornual nerve block</li> <li>b. Bier block</li> <li>c. Paravertebral block</li> <li>d. Caudal epidural</li> <li>e. Retrobulbar block</li> <li>f. Peterson block</li> </ul>	<p>4. Recognize insufficiencies in pain management and propose alternatives. Case Logs citing this skill must include insufficiency noted and reasoning for the proposed alternative.</p>
<p>5. Properly collect and/or handle and store samples of an excretion, secretion, or effusion for laboratory evaluation. Case Logs citing this skill must include information on the specific procedure the applicant performed/assisted with, and the manner of sample preparation (i.e., slide preparation, tubes used, handling, other submission information).</p>	<p>6. Properly collect and handle arterial blood samples for laboratory evaluation.</p>
<p>7. Properly collect and/or handle and store cytology samples for laboratory evaluation. Case Logs citing this skill must include information on the specific procedure the applicant performed/assisted with, and the manner of sample preparation (i.e., slide preparation, tubes used, handling, other submission information).</p>	<p>8. Properly set up and assist with arthroscopy and/or arthrocentesis and handling of obtained samples. Case Logs citing arthrocentesis must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, submission information).</p>
<p>9. Properly set up and assist or perform a minimum of two of the following imaging studies:</p> <ul style="list-style-type: none"> <li>a. Contrast radiographs</li> <li>b. Magnetic resonance imaging</li> <li>c. Computed tomography</li> <li>d. Myelography</li> </ul> <p>Case Logs citing this skill must include calculations performed for prescribed contrast agents.</p>	<p>10. Properly set up and assist or perform diagnostic ultrasound examination.</p>
<p>11. Accurately perform blood typing and major and/or minor crossmatch/agglutination. Case Logs citing this skill must identify which crossmatch was performed and the method utilized.</p>	<p>12. Properly collect samples for a Trichomoniasis test. Case Logs citing this skill must include information on the specific procedure the applicant performed/assisted with, and the manner of sample preparation and handling.</p>

<p>13. Properly and aseptically obtain blood culture samples. Case Logs citing this skill must include the timing followed and the number of samples collected.</p>	<p>14. Properly analyze a minimum of SEVEN of the following laboratory tests:</p> <ol style="list-style-type: none"> <li>a. Osmolality</li> <li>b. Colloid oncotic pressure</li> <li>c. Fibrinogen</li> <li>d. Complete blood count</li> <li>e. Serum chemistry</li> <li>f. Electrolytes</li> <li>g. Dermatologic studies</li> <li>h. Colostrum</li> <li>i. Coagulation</li> <li>j. Arterial blood gas analysis.</li> </ol> <p>Case Logs citing this skill must include the testing performed, a clear explanation of the rationale for testing, troubleshooting sample collection, equipment used, and the manner of sample preparation (i.e., slide preparation, tubes used, handling, submission information).</p>
<p>15. Properly perform microscopy for cytology, white blood cell count, or semen evaluation. Case Logs citing this skill must include the testing performed, a clear explanation of the rationale for testing, troubleshooting sample collection and equipment, the manner of sample preparation, and cytological indications for malignancy, if applicable.</p>	<p>16. Properly set up and assist with or perform semen collection and fresh cooled processing OR freezing. Case Logs citing this skill must include storage method and transport/shipment preparation details.</p>
<p>17. Properly set up and perform a base-apex electrocardiogram (ECG) for multiple production animal species and identify normal and abnormal ECG tracings. Case Logs citing this skill must include lead placement information and if telemetry was used.</p>	<p>18. Properly set up and perform central venous pressure measurements. Case Logs citing this skill must document equipment utilized, transducer placement, and where the catheter was placed.</p>
<p>19. Accurately evaluate a patient's acid/base status. Case Logs citing this skill must document results and determination of status.</p>	<p>20. Properly set up and assist with THREE of the following biopsies:</p> <ol style="list-style-type: none"> <li>a. Bone marrow</li> <li>b. Kidney</li> <li>c. Liver</li> <li>d. Muscle</li> <li>e. Rectal mucosa</li> <li>f. Skin</li> <li>g. Uterus</li> </ol> <p>Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, submission information).</p>
<p>21. Properly prepare a patient, set up, and maintain equipment, and assist with or perform a minimum of THREE of the following procedures:</p> <ol style="list-style-type: none"> <li>a. GI endoscopy</li> <li>b. Rhinoscopy</li> <li>c. Cytoscopy</li> <li>d. Urethroscopy</li> <li>e. Hysteroscopy</li> </ol> <p>Case Logs citing this skill must include monitoring specific to the patient and procedure, both during and after the procedure.</p>	<p>22. Properly prepare the patient, set up and assist with a cerebral spinal tap. Case Logs citing this skill must include the location of the tap (Atlanto-occipital or lumbosacral).</p>

<p>23. Properly prepare the patient, set up and assist with a paracentesis (e.g., thoracocentesis, abdominocentesis, or pericardiocentesis).</p>	<p>24. Properly prepare the patient, set up and assist with the following procedures:</p> <ul style="list-style-type: none"> <li>a. Transtracheal wash/lavage</li> <li>b. Endotracheal wash/lavage</li> <li>c. Bronchoscopy</li> <li>d. Bronchoalveolar lavage (non-ultrasound guided)</li> </ul> <p>Case Logs citing this skill must include monitoring specific to the patient and procedure both during and after the procedure.</p>
<p>25. Properly select, place (or assist in placement), and maintain a multi-lumen catheter.</p>	<p>26. Properly select, place (or assist in placement), and maintain at least ONE of the following specialty catheters:</p> <ul style="list-style-type: none"> <li>a. Intra-arterial</li> <li>b. Intra-osseus</li> <li>c. Intra-articular</li> </ul>
<p>27. Correctly calculate the enteral nutritional requirements and implement the nutritional plan for neonatal and multi-gastric production animals. Case Logs citing this skill must include formulas used and calculations performed.</p>	<p>28. Direct the implementation of reverse isolation protocols specific to your practice, including specific protocols for neonatal and/or orthopedic units.</p>
<p>29. Properly set up, apply (or assist in the application of) prescribed splints and bandages.</p>	<p>30. Properly set up and administer (or assist with administration of) intra-articular injections.</p>
<p>31. Properly set up and administer (or assist with administration of) intra-osseous injections.</p>	<p>32. Properly set up, initiate, monitor, and maintain oxygen therapy in neonatal production animals.</p>
<p>33. Properly set up, initiate, monitor, and maintain oxygen therapy in adult production animals.</p>	<p>34. Properly set up and maintain an open airway via intubation or nasal cannulation. Case Logs citing nasal cannulation must include landmarks used to determine proper placement.</p>
<p>35. Properly set up and apply (or assist in the application of) slings in multiple production animal species and sizes.</p>	<p>36. Properly set up and assist with dystocia delivery.</p>
<p>37. Properly set up and assist or perform embryo transfer.</p>	<p>38. Properly set up and assist or perform artificial insemination.</p>
<p>39. Properly assess and/or assist with emergent down or neurologic animals.</p>	<p>40. Properly set up, assist, maintain, and troubleshoot chest tubes/drains. Case Logs citing this skill must include monitoring specific to the patient both during and after the procedure. If intermittent and/or continuous chest tube suctioning systems are utilized, the specific suction system must be noted.</p>
<p>41. Properly set up, assist or perform and maintain positive pressure ventilation.</p>	<p>42. Properly restrain/handle neonates of various production animal species.</p>
<p>43. Properly intervene in the thermoregulation of production animal neonates.</p>	<p>44. Properly and safely administer cardiopulmonary resuscitation in production animal species.</p>
<p>45. Properly set up and assist with (or perform) diagnostic and/or therapeutic peritoneal lavage. Case Logs citing this skill must include equipment used.</p>	<p>46. Properly and safely collect urine samples via cystocentesis for laboratory evaluation.</p>
<p>47. Properly and safely euthanize production animals. Case Logs citing this skill must include method of euthanasia and/or medications utilized.</p>	<p>48. Properly treat/manage any of the following abscesses:</p> <ul style="list-style-type: none"> <li>a. Foot</li> <li>b. Soft tissue</li> <li>c. Dental</li> </ul> <p>Case Logs citing this skill must include location of abscess, medications used, and treatment techniques employed.</p>
<p>49. Perform thorough physical examinations on at least ONE monogastric and ONE multi-gastric production animal species. Case Logs citing this skill must include significant physical exam findings including: auscultation of the heart/lungs/GI tract, palpation of pulses, and evaluation of the pupillary light reflex.</p>	<p>50. Properly assess dentition and its impact on the patient's health condition.</p>

<p>51. Properly set up and assist with (or perform) a breeding soundness exam on a male production animal. Case Logs citing this skill must include physical exam findings and semen analysis testing performed.</p>	<p>52. Properly perform neonatal assessment and examination of multiple production animal species. Case Logs citing this skill must include significant physical exam findings including: auscultation of the heart/lungs/GI tract, palpation of pulses, and evaluation of pupillary light reflex.</p>
<p>53. Properly harvest and process various blood products and safely administer blood products. Case Logs citing this skill must include information regarding calculations to determine the rate of administration and monitoring parameters used.</p>	<p>54. Properly place and maintain urinary catheters in TWO female production animal species. Case Logs citing this skill must include a list of urinary catheter maintenance steps.</p>
<p>55. Properly place and maintain urinary catheters in a male production animal patient. Case Logs citing this skill must include a list of urinary catheter maintenance steps.</p>	<p>56. Properly apply wound management techniques. Case Logs citing this skill must include wound location, medications used, and bandaging techniques employed. NOTE: IV catheter insertion sites and surgical incisions are not included in this skill.</p>
<p>57. Properly perform a minimum of FIVE of the following physical rehabilitation modalities:</p> <ul style="list-style-type: none"> <li>a. Massage therapy</li> <li>b. Therapeutic exercises</li> <li>c. Range of motion</li> <li>d. Hydrotherapy</li> <li>e. Cryotherapy</li> <li>f. Heat therapy</li> <li>g. Ultrasound</li> <li>h. Magnetic stimulation</li> <li>i. Electrical stimulation</li> </ul> <p>Case Logs citing this skill must include the specific therapy employed and the reason for its use.</p>	<p>58. Properly set up and place (or assist in the placement of) a minimum of TWO of the following tubes:</p> <ul style="list-style-type: none"> <li>a. Nasogastric tube in an adult camelid</li> <li>b. Nasogastric tube in neonatal production animal species</li> <li>c. Orogastic tube in multi-gastric production animal species.</li> </ul> <p>Case Logs citing this skill must include monitoring specific to the patient and procedure both during and after the procedure.</p>