

## 2022 AIMVT Oncology 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: [Oncology Skills List](#)

<p>1. Perform pre-anesthesia examinations to determine safety and risks for oncology cases.</p>	<p>2. Develop proposed balanced anesthetic plans for oncology cases, from pre-anesthesia until recovery, monitoring throughout. Case Logs citing this skill must include a brief discussion of the reasoning behind the medications chosen, potential complications, and contingency options.</p>
<p>3. Implement prescribed anesthetic plans for oncology cases, from pre-anesthesia until recovery, monitoring throughout. Case Logs citing this skill must include all medications and monitoring equipment used.</p>	<p>4. Perform patient pain assessments and develop proposed analgesic plans for oncology cases using multi-modal pain management techniques. Case Logs citing this skill must include a brief discussion of the reasoning behind the medications chosen, potential complications, and contingency options.</p>
<p>5. Implement prescribed analgesic plans for oncology cases, including at least ONE case using EACH of the following pain management techniques: local, systemic, and regional. Case Logs citing this skill must include all medications used, the anatomic location of the pain source, and route of administration.</p>	<p>6. Properly collect, handle, store, and submit samples of excretions, secretions, and/or effusions for laboratory evaluations. Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>
<p>7. Properly collect (or assist in the collection of), handle, store, and submit cytology samples for laboratory evaluations (i.e., lymph node aspiration, mass aspiration, etc.). Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>	<p>8. Properly set up for and assist with the collection, handling, storing, and submission of abdominal or thoracic needle biopsy samples for cytology and core biopsy samples for histopathology. Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>
<p>9. Properly perform - or set up and assist with - collection, handling, storing, and submission of bone marrow and/or bone core samples for laboratory evaluation. Case Logs citing this skill must identify the sample type and include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>	<p>10. Properly set up for and assist with the collection, handling, storing, and submission of bone biopsy samples for laboratory evaluation. Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>
<p>11. Properly set up for and assist with the collection, handling, storing, and submission of peripheral punch or wedge biopsy samples for laboratory evaluation, including margin marking and formalin preparation. Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>	<p>12. Properly set up for and assist with the collection, handling, storing, and submission of blind biopsy samples such as nasal or colon blind biopsies. Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>
<p>13. Properly set up for and assist with the collection, handling, storing, and submission of samples from a bladder or prostate wash. Case Logs citing this skill must include the manner of sample preparation (i.e., slide preparation, tubes used, handling, and submission information).</p>	<p>14. Demonstrate the ability to set up for and assist with or perform diagnostic paracentesis (thoracocentesis, abdominocentesis, or diagnostic peritoneal lavage).</p>
<p>15. Properly, aseptically, and safely collect urine samples via cystocentesis for laboratory evaluation.</p>	<p>16. Demonstrate the ability to perform microscopy for basic cytology and correctly identify both basic cell differentials (i.e. mast cell, lymphoma, spindle cell) and cytological indications for malignancy.</p>
<p>17. Demonstrate the ability to palpate and measure peripheral lymph nodes, and masses (including but not limited to: epidermal, dermal, and subcutaneous).</p>	<p>18. Correctly calculate and prepare a prescribed constant rate infusion (CRI) and administer the prescription. Case Logs citing this skill must include complete calculations.</p>
<p>19. Perform and evaluate body condition scores (BCS) for oncology cases.</p>	<p>20. Administer IV bisphosphonate. Case Logs citing this skill must demonstrate proper aseptic catheter placement, protocol, and considerations (i.e., side effects, tumor type, etc.).</p>

21. Assist with intracavitary chemotherapy administration utilizing proper handling techniques and safety equipment indicated. Case Logs citing this skill must include administration technique, considerations (i.e., side effects, safety concerns, etc.), and dose ranges.	22. Demonstrate staging protocols and procedures for typical oncology cases.
23. Demonstrate ability to set up for and assist with specialized oncologic procedures including but not limited to electrochemotherapy, photodynamic therapy, cryotherapy, and others.	24. Administer oral chemotherapeutics utilizing special handling techniques indicated. Case Logs citing this skill must include administration requirements, considerations (i.e., anaphylaxis, toxicity), and dose ranges. Case Logs citing this skill must also outline client education provided regarding proper home administration techniques, side effects, and safe handling of animal waste products while on chemotherapy.
25. Properly and safely mix chemotherapeutics utilizing a class 2 laminar flow biological safety cabinet/hood or other safety devices.	26. Administer IV chemotherapeutics utilizing special handling techniques and safety equipment indicated. Case Logs citing this skill must outline administration requirements, considerations (i.e., anaphylaxis, vesicants) and dose ranges.
27. Provide client education on drug side effects, common toxicity, half-life, nadir, and the handling of animal waste products while on chemotherapy.	28. Properly handle and dispose of chemotherapy waste materials and patient waste.
29. Demonstrate how to properly handle a chemotherapy spill.	30. Demonstrate techniques for handling chemotherapy extravasations including the use of "antidotes" where applicable.
31. Provide client education on the common treatment approaches for the basic cancer types, including approximate mean survival times with and without treatment, and typical sites of metastasis.	32. Execute a prescribed chemotherapy or immunotherapy protocol, properly administering the appropriate medications at the appropriate time, and providing appropriate monitoring of the patient's physiological state.
33. Correctly calculate the size of oncology patients using pounds, kilograms, and m2.	34. Perform thorough physical examinations on two different species seen in the applicant's practice setting.
35. Demonstrate proper patient record-keeping using accepted medical terminology.	36. Utilize a non-invasive blood pressure device (Doppler or oscillometric).

In addition to mastering the required minimum of 29 skills, all Oncology applicants must provide the specified documents as follows:

**CHEMOTHERAPY ADMINISTRATION:**

For each agent listed, the applicant is required to submit:

- A list of all required personal protective equipment (PPE)
- The standard protocol for administration, including:
  - Special handling techniques
  - Safety equipment indicated
  - Preparation and administration requirements
  - Special considerations (i.e., anaphylaxis, vesicants)
  - Accepted dose ranges
  - Extravasation protocol, if applicable
- Client education required, including side effects, common signs of toxicity, half-life, nadir, and required handling of animal waste
- Name each file for upload as follows: *[first initial] [last name] [agent] pull list*

**AGENTS:**

1. Cyclophosphamide
  2. Vincristine
  3. Doxorubicin
  4. Asparaginase
  5. Carboplatin
  6. Chlorambucil
  7. Lomustine
  8. Mechlorethamine
  9. Mitoxantrone
  10. Toceranib phosphate
  11. Vinblastine
  12. Canine melanoma vaccine
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## **SAMPLE COLLECTION / SUBMISSION:**

For each sample type listed, the applicant is required to submit:

- A list of all Supplies needed for the specific procedure
- A description of the protocol for collection of each sample, including:
  - Aspiration method used
  - Sample preparation (if any)
  - Collection tubes required
  - Handling
  - Storage
  - Submission information
- Client education for post-collection care
- Name each file for upload as follows: *[first initial] [last name] [sample] pull list*

### **SAMPLES:**

1. Lymph node aspirate
  2. Mass aspirate
  3. Imaging-guided aspirate or biopsy
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## **TREATMENT PROTOCOL:**

The applicant is required to submit a complete standard protocol for the treatment of lymphoma (CHOP or a variation thereof). The protocol submitted must include chemotherapeutics used, timing of doses, dose range of chemotherapeutics, patient monitoring, adjunctive pharmaceuticals, and client education. Name the file for upload as follows: *[first initial] [last name] lymphoma treatment protocol*