PURDUE
VETERINARY MEDICINE

**PURDUE UNIVERSITY COLLEGE OF VETERINARY MEDICINE**

**Veterinary Nursing Distance Learning**
**Fall 2025 version**

# Small Animal Diagnostic Imaging Mentorship II

VM 21600

Criteria
Logbook

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## Clinical Mentorship Tasks

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7. Ventrodorsal extended projection of the pelvis for canine hip dysplasia screening **(sedated live patient)**
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**NOTE: Digital imaging may be used to produce the following images. The student may NOT crop the image post-exposure (appropriate collimation should be done when taking the image) nor should computer-editing software be used. Radiographs should be submitted as JPEGS labeled as the *tasknumberRad***

**NOTE: The patient must be heavily sedated or anesthetized for the above views.**

# Student Information

## Contact Information

Questions regarding the overall Clinical Mentorship process should be directed to-

Jennifer Smith, BS, RVT, LATG

Clinical Mentorship Coordinator

jpope@purdue.edu

***Questions regarding this mentorship (tasks, due dates, etc.) should be directed to the instructor for this mentorship course.-see Brightspace***

## Animal Use Guidelines

The student shall abide by the following guidelines when performing mentorship tasks:

1. All animals used for demonstration of mentorship skills must be appropriated restrained by another person, for the safety of the patient and the student.
2. A mentorship task may be performed only once on a single animal.
3. A student may perform a maximum of ten (10) minimally invasive tasks (denoted by one asterisk) on a single animal within a 24-hour period.
4. A student may perform a maximum of three (3) moderately invasive tasks (denoted by two asterisks) on a single animal within a 24-hour period.
5. When combining tasks, a student may perform a maximum of five (5) minimally and three (3) moderately invasive tasks on a single animal within a 24-hour period.
6. Tasks denoted with no asterisks do not involve live animal use.

For example, a student might perform the following tasks on an animal in a single day-

- Restrain a dog in sternal recumbency*
- Restrain a dog in lateral recumbency*
- Restrain a dog for cephalic venipuncture*
- Restrain a dog for saphenous venipuncture*
- Restrain a dog for jugular venipuncture*
- Administer subcutaneous injection**
- Administer intramuscular injection**
- Intravenous cephalic injection – canine**

***Failure to comply with the Animal Use Guidelines may result in failure of the Clinical Mentorship.***

Ensuring the welfare and safety of animals during handling and restraint is paramount. Proper techniques must be employed to minimize stress and prevent injury. This involves understanding the normal behavior of the animal, using humane methods, and applying the least amount of restraint necessary to achieve the desired outcome. Training in these techniques is essential for all personnel involved in animal care. The use of physical, mechanical, or pharmaceutical restraints should be carefully considered and monitored to ensure they are appropriate and effective.

**With this in mind, the student is expected to utilize Fear Free® techniques for animal handling and restraint, as well as ensure that all patients are handled and restrained appropriately when they perform skills.** ***Failure to do so will result in consequences ranging from loss of points or repeating the task, up to failure of the course and / or dismissal from the program.***

By adhering to these principles, we can promote the health and well-being of animals while ensuring a safe environment for both patients and veterinary personnel.

## Selecting the Clinical Mentorship Site – Facility Requirements

You must visit the Clinical Mentorship Site and determine if the following supplies and equipment are readily available to you for use during your Clinical Mentorship. The mentorship supervisor will verify the availability of required items by completing the Mentorship and Facility Requirement Agreement.

The veterinary care facility must be equipped with the following equipment:

- 300MA / 125KVP x-ray machine (high-output machine for analog or digital radiography)
- Technique chart for x-ray machine and machine SOP for setting the mAs and kVp
- Thyroid shields (2)
- 0.5mm lead aprons (2)
- 0.5mm lead gloves that provide (360 degree) full coverage of hands (2 pairs)
- Right and left ***lead*** identification markers
- Individual personal radiation exposure monitoring device (dosimetry badge)
- Patient identification labeling system for digital images that includes ALL the following information **prior to exposure**:
    - Patient first name
    - Patient late name
    - Facility name
    - Date image acquired
- Portable dental radiography machine
- Dental radiography film and chairside developer, or digital unit sensor (DR or CR)

## Introduction to Essential Tasks and Criteria

Before starting each task-

1. Read the Goal, Description, Criteria, and Materials to be Submitted for Evaluation and Verification. Understand what is expected for each task.
2. Make sure that all equipment and supplies needed to complete the task are available. Pay particular attention to the details of what needs to be documented and submitted.
3. Make sure to obtain appropriate permissions where necessary. Please inform the facility's owner/manager of activities. A good relationship with the veterinarian in charge is key to having a positive Clinical Mentorship experience.

After performing each task-

1. Label all items submitted so that the materials submitted for evaluation and validation at Purdue are identified as the student's submission.
2. Label all videos posted to Brightspace with the task number.
3. Submit materials by the deadlines listed in the course syllabus

## Introduction to Special Projects

Certain mentorships will have required projects to complete in addition to the required tasks. Written projects should be typed, and checked for correct grammar and spelling. Photos should be embedded into the related written documents.

Before starting each project-

1. Read through the project in its entirety. This will give you a description of the project and what is needed to complete it successfully.
2. Determine what materials, if any, need to be submitted for completion of the project.
3. Most projects will come with a list of questions/points that need to be addressed and included in the written document.
4. If video is required for a project, it should be noted on the videotape verbally that this is for the project and not another required task. Some projects may require a verbal narration of a student doing something. Each individual project will define if that is a necessary requirement for that project.

# 1. VIDEO VERIFICATION OF REQUIRED EQUIPMENT AND SUPPLIES

**Goal:** Ensure that the student will have access to all equipment and supplies necessary to complete the skills in this course.

**Description:** The student will provide a narrated video showing equipment and supplies specific to this mentorship, to verify that required items are available to them and adequate for completion of tasks in their facility.

**Criteria:** all bullets below are **critical**

- The student ***donned in PPE*** introduced the video and showed their face and the mentor's face clearly.
- The student walked through the facility and showed the following clearly:
    - VNDL-provided sign informing clients that students may be involved in patient care (it should be displayed in an area that is visible to clients).
    - 300MA / 125KVP x-ray machine (high-output machine for analog or digital radiography)
    - Thyroid shields (2)
    - 0.5mm lead aprons (2)
    - 0.5mm lead gloves that provide full (360 degree) coverage of hands (2 pairs)
    - Right and left ***lead*** identification markers
    - Individual personal radiation exposure monitoring device (dosimetry badge)
    - Patient identification labeling system for digital images that includes ALL the following information **prior to exposure**:
        - Patient first name
        - Patient late name
        - Facility name
        - Date image acquired
    - Portable dental radiography machine
    - Dental radiography film and chairside developer, or digital unit sensor (DR or CR)

# 1. VIDEO VERIFICATION OF REQUIRED EQUIPMENT AND SUPPLIES (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification**:

1. Task Verification Form for Video Verification of Required Equipment and Supplies, signed by the Clinical Mentorship supervisor.
2. **One** video showing the student as they introduced themselves and walked through the facility, showing the listed items clearly. The student narrated the video live as they showed items.

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

I verify that the student will have access to the items shown, for tasks in this course.

**Signature of Clinical Mentorship Supervisor**: _____

# 2. MEDIOLATERAL PROJECTION OF THE RADIUS/ULNA (ANTEBRACHIUM)

**Goal:** To proficiently produce a diagnostic mediolateral radiographic projection of the radius/ulna (Antebrachium).

**Description:** The student will position the animal and produce mediolateral radius/ulna radiograph of diagnostic quality while abiding Radiation Safety regulations.

***The student may NOT crop the image post-exposure or use computer- editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.***

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in lateral recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 2. MEDIOLATERAL PROJECTION OF THE RADIUS/ULNA (ANTEBRACHIUM) (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One **unedited** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task2Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 3. CRANIOCAUDAL PROJECTION OF THE RADIUS/ULNA (ANTEBRACHIUM)

**Goal:** To proficiently produce a diagnostic craniocaudal radiographic projection of the radius/ulna.

**Description:** The student will position the animal and produce craniocaudal radius/ulna radiograph of diagnostic quality while abiding Radiation Safety regulations.

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in sternal recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 3. CRANIOCAUDAL PROJECTION OF THE RADIUS/ULNA (ANTEBRACHIUM) (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One **unedited** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task3Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 4. MEDIOLATERAL PROJECTION OF THE FEMOROTIBIAL JOINT

**Goal:** To proficiently produce a diagnostic mediolateral radiographic projection of the stifle joint.

**Description:** The student will position the animal and produce mediolateral stifle joint radiograph of diagnostic quality while abiding Radiation Safety regulations.

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in lateral recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 4. MEDIOLATERAL PROJECTION OF THE FEMOROTIBIAL JOINT (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One ***unedited*** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task4Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 5. CAUDOCRANIAL PROJECTION OF THE FEMOROTIBIAL JOINT

**Goal:** To proficiently produce a diagnostic caudocranial radiographic projection of the stifle joint.

**Description:** The student will position the animal in sternal recumbency and produce a caudocranial stifle joint radiograph of diagnostic quality while abiding Radiation Safety regulations.

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in sternal recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 5. CAUDOCRANIAL PROJECTION OF THE FEMOROTIBIAL JOINT (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One ***unedited*** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task5Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 6. LATERAL PROJECTION OF THE PELVIS

**Goal**: To proficiently produce a diagnostic lateral radiographic projection of the pelvis

**Description:** The student will position the animal in right lateral recumbency and produce a lateral pelvic radiograph of diagnostic quality while abiding Radiation Safety regulations.

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in the correct recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 6. LATERAL PROJECTION OF THE PELVIS (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One ***unedited*** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task6Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 7. VENTRODORSAL EXTENDED PROJECTION OF THE PELVIS FOR CANINE HIP DYSPLASIA SCREENING (OFA)

**Goal:** To proficiently produce a diagnostic ventrodorsal extended radiographic projection of the pelvis on a sedated canine patient.

**Description:** The student will position the animal in ventrodorsal recumbency and produce a ventrodorsal extended pelvic radiograph of diagnostic quality while abiding Radiation Safety regulations

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in the correct recumbency with the AOI of interest nearest to the x-ray table.
- The student extended the rear limbs and positioned them parallel to the table, and rotated the stifle joints internally, with patellas positioned over the trochlear groove, and pelvis symmetric. Femurs are extended and parallel to each other.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 7. VENTRODORSAL EXTENDED PROJECTION OF THE PELVIS FOR CANINE HIP DYSPLASIA SCREENING (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One ***unedited*** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task7Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 8. LATERAL PROJECTION OF THE SKULL

**Goal:** To proficiently produce a diagnostic lateral skull radiographic projection.

**Description:** The student will position the animal in lateral recumbency and produce a skull radiograph of diagnostic quality while abiding Radiation Safety regulations.

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in the correct recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 8. LATERAL PROJECTION OF THE SKULL (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One ***unedited*** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task8Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 9. VENTRODORSAL/Dorsoventral PROJECTION OF THE SKULL

**Goal:** To proficiently produce a diagnostic ventrodorsal skull radiographic projection.

**Description:** The student will position the animal in dorsal recumbency and produce a ventrodorsal skull radiograph of diagnostic quality while abiding Radiation Safety regulations.

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in the correct recumbency with the AOI of interest nearest to the x-ray table.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student selected a lead R or L limb lead directional marker according to which limb was being imaged and placed the marker in the correct location.
    - **Post-exposure digital markers are not acceptable**
- The student collimated to include only landmarks for the AOI. **(CRITICAL)**
- The student produced a diagnostic quality radiograph **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student recorded the full process (positioning and production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) self-evaluation that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

# 9. VENTRODORSAL/Dorsoventral PROJECTION OF THE SKULL (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

1. Task Verification Form signed by the clinical mentorship supervisor.
2. One ***unedited*** horizontal video clearly demonstrating the student positioning the patient, producing the radiograph, and providing a post-production verbally narrated CALIPER diagnostic quality image evaluation, as defined by the criteria outlined above for this task.
3. Radiographic image. (JPG or PDF) labeled as **task9Rad**

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____

# 10. INTRAORAL FULL MOUTH DENTAL RADIOGRAPHS

**Goal:** To proficiently produce diagnostic, full mouth intraoral radiographs using a dental radiography unit

**Description:** The student will utilize dental radiographic equipment to produce diagnostic quality dental radiographs of a patient who is under general anesthesia for the following views:

- Rostral Maxillary (incisors and or canines)
- Caudal Maxillary (premolars and or molars)
- Rostral Mandible (incisors and or canines)
- Caudal Mandible (premolars and or molars)

**Note:** *Film or digital imaging may be utilized for this dental (4)*

**Criteria:**

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student utilized the appropriate intraoral dental technique to position the animal in the correct recumbency for the AOI of interest from the above list.
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student centered over the AOI and included the full AOI and 2-3 mm of aveolar bone. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.

# 10. INTRAORAL FULL MOUTH DENTAL RADIOGRAPHS (CONTINUED)

**Number of Times Task Needs to be Successfully Performed**: 1

**Materials Submitted for Evaluation and Verification:**

- Task Verification Form for Intraoral Full Mouth Dental Radiographs skill, signed by the Clinical Mentorship supervisor.
- One each of the following images and an unedited horizontal video of student positioning for each of the AOIs below.
    - Rostral Maxillary (incisors and/or canines)
    - Caudal Maxillary (premolars and/or molars)
    - Rostral Mandible (incisors and/or canines)
    - Caudal Mandible (premolars and/or molars)
- AN unedited video clearly showing the student **positioning an anesthetized patient** (either a dog or cat) and **producing the radiograph** as defined in the above criteria for this task, **utilizing the proper PPE**. The video must zoom in on the radiograph and the student **self-evaluates** the diagnostic imaging quality for dental radiography.

**Student Name**: _____

**Supervisor Name**: _____ RVT, CVT, LVT, LVMT, DVM, VMD

**Patient Name**: _____ **Date:** _____ dog / cat

I verify that the student performed these tasks under my **direct** supervision.

**Signature of Clinical Mentorship Supervisor**: _____