DENTAL ASSISTANT SPECIALTY

Clinical Skills-Radiology

Volume 2

381st Training Squadron
2931 Harney Road
Fort Sam Houston, TX 78234
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>MODULE</th>
<th>OBJECTIVE</th>
<th>PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dental Radiology/Imaging Fundamentals</td>
<td>4-8</td>
</tr>
<tr>
<td>2</td>
<td>Digital Imaging</td>
<td>9-12</td>
</tr>
<tr>
<td>3</td>
<td>Intraoral Imaging Techniques</td>
<td>13-24</td>
</tr>
<tr>
<td></td>
<td>QTP Record of Training</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Training Reference List</td>
<td>26</td>
</tr>
</tbody>
</table>
INTRODUCTION

1. Volume 2, *Clinical Skills-Radiology*, Qualification Training Package (QTP) contains modules on Dental Radiology fundamentals, digital imaging, and intraoral imaging techniques. This QTP is designed to enhance 5-skill level on-the-job training (OJT) of dental assistant journeyman. Training references listed in each module may be used to compliment training. All QTPs are intended to be used by trainees, trainers, supervisors, and task certifiers. Before initiating any training you should review your responsibilities as a supervisor/trainer for conducting OJT per AFI 36-2201, Chapter 6, *Air Force Training Program On-The-Job Training Administration*.

2. QTPs are instructional packages designed to help you conduct and evaluate your field training. Once you begin upgrade training you are required to use the QTPs. QTPs provide continuity to the trainee’s upgrade training and are divided into the following volumes: 1) *Basic Skills and Infection Control/Sterilization*; 2) *Clinical Skills-Radiology*; 3) *Clinical Skills-Chairside Assisting*; 4) *Clinical Skills-Preventive Dentistry*; 5) *Patient Administration*, 6) *Logistics Management*; 7) *Budget and Financial Planning* and 8) *Supervision and Training*. The QTP modules were designed to assist you in preparing for and conducting training. Each module segments the major tasks into teachable elements. Your goal is to provide enough training and guidance so trainees can do all task related steps, without assistance. QTPs also aid OJT task certifiers in evaluating the trainee’s demonstrated performance. If you have local training requirements not covered by a QTP module you should develop “steps in performance” and “performance checklists” that support and standardize those tasks. When you are satisfied the trainee meets standards, as prescribed in the QTP performance checklist, you must document each task completion in the QTP tab. If a person is being recertified on a task that is supported by a QTP you must use that module to complete the recertification process.

3. Typically, you will manage each module by first, training the tasks and then, evaluating performance. Your local steps in performance may vary from the method listed in the QTP module. If this is the case, you are authorized to make changes to the first half of each module, (i.e. steps in task performance); however, the “performance checklist” is considered a standard and cannot be altered. You may train each QTP volume/module in any sequence; however, when conducting training use an organized and methodical approach. This will reduce your training time and enhance your efforts.

4. The QTPs are a tool for assessing/certifying the Dental Assistant initially and each time they arrive at a new duty station. The QTP should be used as a tool for standardizing annual refresher training. Our goal has been to publish a useable document for both the trainee and trainer. We value your first hand expertise and solicit your feedback on how we can improve our product. Direct all inquiries to:

    4Y0X1, Dental Assistant CDC Writer
    381st Training Squadron
    DSN: 420-2041
    Comm: (210) 808-2041
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: DENTAL RADIOLOGY FUNDAMENTALS

TASK NAME: Exercise Radiation Safety

CFETP/STS REFERENCE: 9.3 Exercise radiation safety

EQUIPMENT REQUIRED:

1. Lead apron with thyrocervical collar
2. Protective lead barrier
3. Step wedge
4. Xray Unit

TRAINING REFERENCES: 1-4

OBJECTIVE: Provided proper environment and resources, demonstrate using adequate radiation safety practices.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:

1. Perform step wedge test, if indicated
2. Inspect front and back of lead apron for rips, tears and cracks (NEVER fold lead aprons)
3. Turn in unserviceable aprons to dental supply custodian for appropriate disposition
4. Screen female patients for the possibility of being pregnant
5. Instruct patient to remove metallic items and removable prostheses from head/neck area
6. Place lead apron with thyrocervical collar on patient
7. Stand behind protective barrier during exposure
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: DENTAL RADIOLOGY FUNDAMENTALS

TASK NAME: Prepare Patients for Radiographs

CFETP/STS REFERENCE: 9.5 Prepare patients for radiograph(s)

EQUIPMENT REQUIRED: Lead apron with thyrocervical collar

TRAINING REFERENCES: 1-4

OBJECTIVE: Provided a patient and proper equipment, properly prepare for radiographic exposure.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Screen female patients on the possibility of being pregnant
2. Instruct patient to remove metallic items and removable prostheses from head/neck area
3. Place lead apron with thyrocervical collar on patient
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: DENTAL RADIOLOGY FUNDAMENTALS

TASK NAME: Locate and Identify Anatomical Landmarks

CFETP/STS REFERENCE: 9.6.12 Locate and identify anatomical landmarks

EQUIPMENT REQUIRED: Panoramic and/or full mouth series digital image/radiograph

TRAINING REFERENCES: 1-5

OBJECTIVE: Provided a dental radiograph/image; properly identify anatomical landmarks used in dental radiographs to assist dental providers

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Pull up digital image on computer/place radiograph on view finder
2. Given a conventional radiograph, locate the letter “A” for each exposure from the facial aspect
3. Locate the maxillary sinus
4. Locate the nasal spine
5. Located the maxillary tuberosity
6. Locate the mandibular canal
7. Locate the mental foramen on both sides
8. Locate the ramus of the mandible

ATTACHMENT: Performance checklist
## Performance Checklist

### Dental Radiology Fundamentals

**1. Exercise Radiation Safety**
- a. Inspect apron to ensure serviceability
- b. Identify process for unserviceable aprons
- c. Screen female patients for pregnancy
- d. Instruct patient to remove metallic items before exposure
- e. Place lead apron with thyrocervical collar on patient
- f. Stand behind protective barrier during exposure

**2. Prepare Patient for Radiographs**
- a. Screen female patients for pregnancy
- b. Instruct patient to remove metallic items before exposure
- c. Place lead apron with thyrocervical collar on patient

**4. Locate and Identify Anatomical Landmarks**
- a. Pull up digital image on computer
- b. Locate all the anatomical landmarks listed in steps of task

### Final Result:

<table>
<thead>
<tr>
<th>Rank/Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trainee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trainer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifier</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: DIGITAL IMAGING

TASK NAME: Adjust Timing Control

CFETP/STS REFERENCES: 9.6.2 Adjust timing control

EQUIPMENT REQUIRED:

1. Dental radiographic unit
2. Dental radiograph prescription

TRAINING REFERENCES: 1-6

OBJECTIVE: Provided valid radiograph prescription, properly adjust timing control to accommodate patient and radiograph needed.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:

1. Review radiograph prescription (in accordance with local policies)
2. DO NOT take an X-ray without dentist’s consent
3. Ensure master switch is on
4. Adjust exposure voltage, milliamperage, and timing controls IAW manufacturer instructions, type of radiograph and patient size
5. Unit controls may also be adjusted to meet dentist’s preferences
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: DIGITAL IMAGING

TASK NAME: Capture Digital Image

CFETP/STS REFERENCES:
9.6.3 Capture digital image
9.6.4 Use digital imaging software
9.6.11 Archive images

EQUIPMENT REQUIRED:
1. Dental radiographic unit
2. Dental radiograph prescription
3. Digital sensor
4. Infection control barriers

TRAINING REFERENCES: 1-6

OBJECTIVE: Provided valid radiograph prescription, properly capture digital image using digital imaging software.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Review radiograph prescription (in accordance with local policies)
2. DO NOT take an X-ray without dentist’s consent
3. Place infection control barriers on computer equipment and digital sensors
4. Open digital radiology software program (MiPACS)
5. Select patient’s image record (or create new record) by typing in social security number
6. If patient is female, verify if pregnant
7. Select template for type of digital image to be exposed
8. Expose requested digital image
9. Image will be displayed on created template for viewing
10. Post exposure
   a. Select image by clicking on image
   b. Under “image properties” (bottom left), locate anatomic information
   c. Under “description” drop down menu, select type of region/location of image (ex. upper right molar)
11. Click on “save” icon (this archives the digital image automatically)
12. Under “series description box”, describe/label digital radiograph taken (ex. PA #30)
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: DIGITAL IMAGING

TASK NAME: Use Digital Imaging Scanner

CFETP/STS REFERENCES: 9.6.5 Use digital imaging scanner

EQUIPMENT REQUIRED:
1. Dental radiographic unit scanner
2. Phosphorus storage plate (PSP)

TRAINING REFERENCES: 2-6

OBJECTIVE: Provided appropriate equipment, scan digital images using dental imaging software

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Open MiPACS program
2. Select patient’s digital image record
3. Select the appropriate template
4. Click on activation button (green light indicates system is ready)
5. Load exposed PSP images into scanner in an area with subdued lighting
6. Attach the plates to the developing carousel and place the carousel into the scanner
7. Initiate scan of plates from the computer
8. Once scanning is complete, view images on the computer monitor

ATTACHMENT: Performance checklist.
## PERFORMANCE CHECKLIST

<table>
<thead>
<tr>
<th>DIGITAL IMAGING</th>
<th>SAT</th>
<th>UNSAT</th>
</tr>
</thead>
</table>

### 1. Adjust Timing Control
- a. Ensure unit master switch is on
- b. Adjust equipment IAW manufacturer’s instructions

### 2. Capture Digital Image
- a. Review radiograph prescription/verify dentist’s consent for X-ray
- b. Place infection control barriers
- c. Open digital radiology software program (MiPACS)
- d. Use Social Security Number to find patient or create new patient
- e. If patient is female, verify if pregnant
- f. Select template for type of digital image to be exposed
- g. Expose requested digital image
- h. Follow post exposure procedures
- i. Click on “save” icon (this archives the image)
- j. Describe/label digital radiograph properly

### 3. Use Digital Image Scanner
- a. Open MiPACS program
- b. Select patients digital image record
- c. Select appropriate template
- d. Click activation button
- e. Load scanner of exposed image in an area with subdued lighting
- f. Attach the plates to the developing carousel and place carousel into the scanner
- g. Initiate scan of plates from the computer
- h. Once scanning is complete, view images on the computer

**FINAL RESULT:**

<table>
<thead>
<tr>
<th>Rank/Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trainee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trainer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifier</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: INTRAORAL IMAGING TECHNIQUES

TASK NAME: Expose Horizontal Bitewing

CFETP/STS REFERENCES: 9.6.6.1 Expose horizontal bitewing

EQUIPMENT REQUIRED:
1. Dental radiograph prescription
2. Dental health record (hard copy or electronic)
3. Infection control barriers
4. Digital sensor or phosphorus storage plates (PSP)
5. Adhesive bite tab
6. Lead apron with thyrocervical collar
7. Dental radiographic unit
8. X-tension Cone Paralleling (XCP) instrument

TRAINING REFERENCES: 1-6

OBJECTIVE: Provided appropriate equipment/supplies, expose horizontal bitewings using proper technique.

EVALUATION INSTRUCTIONS:
After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Place infection control barriers
2. Review patients dental health record and radiograph prescription
3. Gather sensor and/or PSP (2 or 4 according to prescription) with bite tabs
4. Open MiPACS program/turn on sensor image scanner
5. Select patient’s digital image record
6. Select the appropriate template
7. Adjust X-ray control panel to required settings
8. Brief patient on procedure (if female, verify if pregnant)
9. Place lead apron with thyrocervical collar on patient
10. Ensure sensor is activated
11. Place long axis of PSP/sensor perpendicular to occlusal plane and the floor
   a. First PSP/sensor center horizontally on second molar
b. Second PSP/sensor will be placed with forward edge of sensor behind the distal 1/3 of the most anterior cuspid

12. Instruct patient to close gently
13. Position patient with occlusal plane parallel to the floor
14. Establish parallel relationship between cone opening and PSP/sensor (opening rests lightly against the patient’s cheek)
15. Center bite tab in cone opening
16. Stand behind protective barrier
17. Expose image
18. Repeat steps 10-17 for remaining image(s)
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA:  INTRAORAL IMAGING TECHNIQUES

TASK NAME:  Expose Vertical Bitewing

CFETP/STS REFERENCES:  9.6.6.2 Expose vertical bitewing

EQUIPMENT REQUIRED:
1. Dental radiograph prescription
2. Dental health record (hard copy or electronic)
3. Infection control barriers
4. Digital sensor or phosphorus storage plates (PSP)
5. Adhesive bite tab
6. Lead apron with thyrocervical collar
7. X-ray unit
8. X-tension Cone Paralleling (XCP) instrument

TRAINING REFERENCES:  1-6

OBJECTIVE:  Provided appropriate equipment/supplies, expose vertical bitewings using proper technique.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Place infection control barriers
2. Review patients dental health record and radiograph prescription
3. Gather sensor and/or PSP with bite tabs
4. Open MiPACS program/turn on sensor image scanner
5. Select patient’s digital image record
6. Select the appropriate template
7. Adjust X-ray control panel to required settings
8. Brief patient on procedure (if female, verify if pregnant)
9. Place lead apron with thyrocervical collar on patient
10. Ensure sensor is activated
11. Place long axis of PSP/sensor perpendicular to occlusal plane and the floor
   a. First PSP/sensor center vertically on second molar for the molar view
b. Second PSP/sensor will be placed centered on the second bicuspid for the bicuspid view
12. Instruct patient to close gently
13. Position patient with occlusal plane parallel to the floor
14. Establish parallel relationship between cone opening and PSP/sensor (opening rests lightly against the patient’s cheek)
15. Center bite tab in cone opening
16. Stand behind protective barrier
17. Expose image
18. Repeat steps 10-17 for remaining image(s)
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: INTRAORAL IMAGING TECHNIQUES

TASK NAME: Expose periapical image/full mouth (FM) series

CFETP/STS REFERENCES: 9.6.6.3 Expose periapical image (full mouth)

EQUIPMENT REQUIRED:
1. Dental radiograph prescription
2. Dental health record (hard copy or electronic)
3. Infection control barriers
4. Digital sensor or phosphorus storage plates (PSP)
5. Adhesive bite tab
6. Lead apron with thyrocervical collar
7. X-ray unit
8. X-tension Cone Paralleling (XCP) instrument

TRAINING REFERENCES: 1-6

OBJECTIVE: Provided appropriate equipment/supplies, expose periapical/full mouth series images using proper technique.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Place infection control barriers
2. Review patients dental health record and radiograph prescription
3. Gather sensor and/or PSP (according to prescription-14 needed for FM series) with bite tabs
4. Open MiPACS program/turn on sensor image scanner
5. Select patient’s digital image record
6. Select the appropriate template
7. Adjust X-ray control panel to required settings
8. Brief patient on procedure (if female, verify if pregnant)
9. Place lead apron with thyrocervical collar on patient
10. Ensure sensor is activated
11. Place sensor/PSP in bite block
12. Place bite block behind and parallel to long axis of appropriate tooth
13. Instruct patient to close gently on bite block
14. Establish parallel relationship between cone opening and locator ring
15. Place X-ray cone parallel to indicator rod
16. Stand behind protective barrier
17. Expose image
18. Repeat steps 10-17 for remaining image(s)
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: INTRAORAL IMAGING TECHNIQUES

TASK NAME: Intraoral Imaging Using Bisecting Angle Technique

CFETP/STS REFERENCES: 9.6.7 Intraoral imaging using bisecting angle technique

EQUIPMENT REQUIRED:
1. Dental radiograph prescription
2. Dental health record (hard copy or electronic)
3. Infection control barriers
4. Digital sensor or phosphorus storage plates (PSP)
5. Adhesive bite tab
6. Lead apron with thyrocervical collar
7. X-ray unit
8. X-tension Cone Paralleling (XCP) instrument

TRAINING REFERENCES: 1-6

OBJECTIVE: Provided appropriate equipment/supplies, expose digital images demonstrating proper bisecting technique.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Place infection control barriers
2. Review patients dental health record and radiograph prescription
3. Gather sensor and/or PSP (according to prescription) with bite tabs
4. Open MiPACS program/turn on sensor image scanner
5. Select patient’s digital image record
6. Select the appropriate template
7. Adjust X-ray control panel to required settings
8. Brief patient on procedure (if female, verify if pregnant)
9. Place lead apron with thyrocervical collar on patient
10. Ensure sensor is activated
11. Load PSP/sensor into holding device (hemostat/snap-a-ray); place behind target tooth
12. Instruct patient to hold the instrument with their hand to keep PSP/sensor steady or place using the XCP instrument
13. Adjust tubehead to ensure tooth apex is included in image using bisecting angle technique OR adjust tubehead to the aiming ring of the XCP instrument
14. Instruct patient to remain still
15. Stand behind protective barrier
16. Expose image
17. Repeat steps 10-16 for remaining image(s) if indicated
DENTAL ASSISTANT SPECIALTY QTP

SUBJECT AREA: INTRAORAL IMAGING TECHNIQUES

TASK NAME: Expose Panoramic Image

CFETP/STS REFERENCES: 9.6.8 Expose panoramic image

EQUIPMENT REQUIRED:
1. Dental radiograph prescription
2. Dental health record (hard copy or electronic)
3. Infection control barriers
6. Lead apron WITHOUT thyrocervical collar
7. Panoramic X-ray unit

TRAINING REFERENCES: 1-6

OBJECTIVE: Provided appropriate equipment/supplies, expose panoramic images demonstrating proper technique.

EVALUATION INSTRUCTIONS:

After the trainee has received instruction and allowed sufficient supervised practice, evaluate trainee’s abilities using the performance checklist provided at the end of each module.

NOTE: The evaluator will STOP the procedure immediately and correct the member if performance is detrimental to patient safety.

STEPS IN TASK PERFORMANCE:
1. Place infection control barrier over biteblock
2. Review patients dental health record and radiograph prescription
3. Gather panoramic PSP sensor and place in cassette OR prepare panoramic unit with included sensor (according to local availability)
   a. White part of PSP plate faces toward red side of cassette (PSP capable unit only)
   b. Red side of cassette faces patient (PSP capable unit only)
4. Open MiPACS program/turn on sensor image scanner
5. Select patient’s digital image record
6. Select the appropriate template
7. Adjust X-ray control panel to required settings IAW manufacturer’s instructions according to patient size
8. Brief patient on procedure (if female, verify if pregnant)
9. Instruct patient to remove metallic items and removable prostheses from head/neck area
10. Place lead apron
11. Ensure sensor is activated
12. Panoramic unit with patient standing
   a. Instruct patient to stand facing the panoramic unit
   b. Instruct patient to grasp panoramic unit handles
   c. Instruct patient to stand “tall” with their back straight
13. Panoramic unit with patient seated
   a. Instruct patient to sit in the panoramic unit
   b. Instruct patient to sit “tall” with their back straight
14. Adjust lift mechanism to allow patient’s chin to rest on chin rest
15. Hyperextend neck
16. Instruct patient to close on specific area of unit bite block
17. Instruct patient to tilt head forward/backward to align parallel to occlusal plane
18. Ensure patient’s back is still straight
19. Instruct patient to place tongue flat against hard palate, close lips, swallow and remain still
20. Stand behind protective barrier
21. Expose image by fully depressing button until the machine comes to a complete stop

**ATTACHMENT:** Performance checklist
<table>
<thead>
<tr>
<th>PERFORMANCE CHECKLIST</th>
<th>SAT</th>
<th>UNSAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRAORAL IMAGING TECHNIQUES</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1. Expose Horizontal Bitewing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Place infection control barriers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Review patient’s record and X-ray prescription</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Place lead apron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Open MiPACS and select appropriate template</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Select appropriate PSP/sensor for requested images</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Properly position patient for exposure of image</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. Align X-ray tubehead to expose PSP/sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h. Properly expose image</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. Expose Vertical Bitewing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Place infection control barriers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Review patient’s record and X-ray prescription</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Place lead apron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Open MiPACS and select appropriate template</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Select appropriate PSP/sensor for requested images</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Properly position patient for exposure of image</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. Align X-ray tubehead to expose PSP/sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h. Properly expose image</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. Expose Periapical Image (FM series)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Place infection control barriers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Review patient’s record and X-ray prescription</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Place lead apron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Open MiPACS and select appropriate template</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Select appropriate PSP/sensor for requested images</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Properly position patient for exposure of image</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. Align X-ray tubehead to expose PSP/sensor (using XCP device)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h. Properly expose image</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4. Intraoral Imaging Using Bisecting Angle Technique</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Place infection control barriers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Review patient’s record and X-ray prescription</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Place lead apron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Open MiPACS and select appropriate template</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Select appropriate PSP/sensor for requested images including holding device</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Correctly place PSP/sensor in patient’s mouth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. Align X-ray tubehead to expose the PSP/sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h. Expose image using proper bisecting angle technique</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### PERFORMANCE CHECKLIST

#### INTRAORAL IMAGING TECHNIQUES (continued)

#### 5. Panoramic Image

<table>
<thead>
<tr>
<th></th>
<th>SAT</th>
<th>UNSAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>j.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FINAL RESULT:**

<table>
<thead>
<tr>
<th>Rank/Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trainee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trainer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifier</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MODULE</td>
<td>TITLE</td>
<td>Date Completed</td>
</tr>
<tr>
<td>--------</td>
<td>-------</td>
<td>----------------</td>
</tr>
<tr>
<td>1</td>
<td>DENTAL RADIOLOGY FUNDAMENTALS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exercising Radiation Safety</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preparing Patient for Radiographs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Archiving Images</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Locating and Identifying Anatomical Landmarks</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>DIGITAL IMAGING</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adjusting Timing Control</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capturing Digital Image</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Using Digital Imaging Software</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Using Digital Imaging Scanner</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>INTRAORAL IMAGING TECHNIQUES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exposing Horizontal Bitewing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exposing Vertical Bitewings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exposing Periapical Image (Full Mouth Series)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intraoral Imaging Using Bisecting Angle Technique</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Panoramic Image</td>
<td></td>
</tr>
</tbody>
</table>

RANK/NAME:
DENTAL ASSISTANT SPECIALTY QTP
VOLUME 2
TRAINING REFERENCE LIST

Note: Always refer to current version of the references listed

1. CDC 4Y051A Volume 1, Dental Assistant Journeyman
2. Modern Dental Assisting, Elsevier Saunders
3. Air Force Dental Service Digital Diagnostic Imaging Guidelines
4. Local Dental Operating Instructions
5. USAF Guidelines for Infection Control in Dentistry
6. Dental Radiographic unit operating manual