Dental Licensure Objective Structured Clinical Examination (DLOSCE)

Practice Questions

Important Notice and Disclaimer Concerning These Practice Questions

The following questions are offered to help candidates understand the types of questions appearing on the Dental Licensure Objective Structured Clinical Examination (DLOSCE). It should be noted that practice questions are not subjected to the same intense scrutiny—and do not undergo the same level of review—as questions appearing on the actual examination. When developing examination content, the best questions are always reserved for placement on the actual examination itself (as opposed to placement on distributed lists of practice questions). The Joint Commission on National Dental Examinations (JCNDE) recommends that you use textbooks and lecture notes as primary sources for study. These questions are provided to familiarize you with DLOSCE examination question formats. These questions may not be used for commercial purposes.

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The Dental Clinic and the DLOSCE Approach

The Dental Clinic

- When working with patients in a clinical situation, dentists diagnose and treat those patients, and perform many clinical tasks.
- Dentists rely on multiple sources of information that can include, for example: the patient's verbal communications, visual observation of the patient, patient records, and patient testing results.
    - The dentist considers many possibilities when diagnosing a patient. These possibilities are based on all available information concerning a patient.
    - Some of those possibilities represent <u>correct</u> clinical evaluations, given the available information. Correct clinical evaluations help the dentist to properly understand the patient's condition, thereby facilitating appropriate treatment.
    - Some of those possibilities represent <u>incorrect</u> clinical evaluations, given the available information.   Incorrect clinical evaluations can lead to a dentist choosing incorrect treatment options that don't address the patient's condition, and in some cases can even result in harm to the patient.
    - Sometimes the information available to the dentist is incomplete or ambiguous. For example, a given radiograph may be non-optimal in the information it provides, or the patient may be unwilling to share certain information (e.g., drug use). In some cases this information may be relevant to the diagnosis and to treatment options, whereas in others it may not.
- Clinical judgment involves interpreting the available information to make a diagnosis, and then identifying corresponding appropriate treatment and management options.
- Sound clinical judgment is essential to safe and effective patient treatment.

The DLOSCE Approach

- The DLOSCE assesses clinical judgment. DLOSCE questions are modeled on dental clinical situations.
- DLOSCE question formats take into account the many considerations and options that are available to a dentist, when the dentist diagnoses a patient's condition and determines actions to take.
- DLOSCE questions can include a variety of reference materials (3D models, clinical photographs, radiographs, etc.)
- DLOSCE scoring recognizes the effectiveness of the dentist's choices and the quality of the dentist's judgments, based on the information that was available. DLOSCE scoring also recognizes that some information may be incomplete or ambiguous.

DLOSCE Question Presentation

Question Types

The DLOSCE presents clinical situations by asking questions in several different ways, which are described in greater detail later in this presentation:

- Multiple-Choice, Single-Response Questions
- Multiple-Choice, Multiple-Response Questions
- Prescription Tasks

Responding to DLOSCE Questions

Depending on the Question Type, the candidate may be asked to:

- choose the single correct response
- choose one or more correct responses
- enter a numeric value to provide a response (e.g., for prescription tasks)

Reference Materials

DLOSCE questions always include a patient. DLOSCE questions are therefore accompanied by information concerning that patient, including reference materials such as the following:

- **Patient Box.** The Patient Box provides patient demographic information (age, biological sex), the chief complaint, background/history, and current findings.
- **3-D Models.** A three-dimensional model of the patient's teeth, including restorations, lesions, etc.
- **Clinical photographs.** Photographs of patient conditions.
- **Radiographs.** Radiographic images of patients' teeth.

Evaluation of Candidate Responses

Depending on the Question Type, each possible candidate response is evaluated as follows:

- **Correct.** This represents a correct clinical judgment based on the available information. Choosing this response gives the candidate either full credit (1 point) or partial credit for this question, as long as the candidate has also avoided choosing any incorrect responses.

- **Clinical Judgment Error/Incorrect**: This represents a clinical judgment error. Choosing this response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.

- **Unscored/Neutral:** This represents an indeterminate situation. These are situations—identified by dental subject matter experts—where given the available information a candidate's choice of this response is considered neither correct nor incorrect. This would also apply to situations where dental subject matter experts disagreed concerning what the appropriate clinical judgment should be, with regard to this response. Choosing this response therefore does not affect the points a candidate can earn for this question. The response is unscored (points are neither given nor taken away, if the candidate chooses this option).

Dental Licensure Objective Structured Clinical Examination (DLOSCE)

Multiple-Choice, Single-Response Questions

Multiple-Choice, Single-Response Questions

- Multiple-Choice, Single-Response questions have only one correct answer and will only allow candidates to choose one response.
- To complete questions of this type, candidates should read the question and available responses, and choose the response that is the best answer.
- Responses other than the Correct response are considered Clinical Judgment Errors.
- Choosing the correct response gives candidates full credit (i.e., one point) for Multiple-Choice, Single-Response questions.
- The instructions provided for these questions are as follows:

  Select the **ONE** correct answer.

- Practice questions 1 through 4 are examples of Multiple-Choice, Single-Response questions.

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Patient

Female, 52 years old

Chief Complaint

"My mouth is still sore after getting my cleaning."

Background and/or Patient History

No systemic disease
No medications
SRP done in-office two days prior with local anesthetic

Current Findings

Temp: 100.6ºF

See next slide.

Select the **ONE** correct answer.

What is the most likely diagnosis?

A. Clinical gingival health on an intact periodontium
B. Clinical gingival health on a reduced periodontium
C. Gingivitis mediated by systemic or local risk factors
D. Drug-influenced gingival enlargement
E. Gingival disease of a viral origin
F. Gingival disease of a fungal origin
G. Mucocutaneous disease
H. Traumatic lesion of the gingiva
I. Gingival Pigmentation

Correct: E (full credit, 1 point)
Clinical Judgment Error/Incorrect: Selecting any response other than the Correct response causes the candidate to receive no credit (0 points) for this question
Content Classification: Periodontics

Select the **ONE** correct answer.

Orthodontic treatment for this 8-year-old patient should begin

A. as soon as possible.
B. after reassessment in 6 to 9 months.
C. during late mixed dentition prior to the pubertal growth spurt.
D. immediately following eruption of permanent second molars.
E. after the patient stops growing.

Correct: A (full credit, 1 point)
Clinical Judgment Error/Incorrect: Selecting any response other than the Correct response causes the candidate to receive no credit (0 points) for this question
Content Classification: Orthodontics

Select the **ONE** correct answer.

Orthodontic treatment for this 8-year-old patient should begin

A. as soon as possible
B. after assessment in 6 to 9 months.
C. during late mixed dentition prior to the pubertal growth spurt.
D. immediately following eruption of permanent second molars.
E. after the patient stops growing.

Correct: A (full credit, 1 point)
Clinical Judgment Error/Incorrect: Selecting any response other than the Correct response causes the candidate to receive no credit (0 points) for this question
Content Classification: Orthodontics

Patient

Male, 86 years old

Chief Complaint

"I am here to get my new crown."

Background and/or Patient History

Hypertension
Type 2 diabetes

Medications:
lisinopril (Prinivil®)
Metformin (Glucophage®)

Current Findings

Patient becomes confused and develops slurred speech and left-sided facial droop during the procedure

Select the **ONE** correct answer.

Which is the most likely diagnosis?

A. Acute asthmatic attack (bronchospasm)
B. Upper airway obstruction
C. Mild allergic reaction
D. Anaphylaxis
E. Angina pectoris/myocardial infarction
F. Cardiac arrest
G. Cerebrovascular accident
H. Hyperglycemia/diabetic coma
I. Hypoglycemia/insulin shock
J. Hyperventilation
K. Local anesthetic toxicity
L. Epinephrine reaction
M. Vasodepressor (vasovagal) syncope

Correct: G (full credit, 1 point)
Clinical Judgment Error/Incorrect: Selecting any response other than the Correct response causes the candidate to receive no credit (0 points) for this question
Content Classification: Medical Emergencies

Dental Licensure Objective Structured Clinical Examination (DLOSCE)

Multiple-Choice, Multiple-Response Questions

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Question Types – Multiple-Choice, Multiple-Response Questions

Multiple-Choice, Multiple-Response questions can have one or more correct answers. For these questions, candidates may choose more than one response. To complete Multiple-Choice, Multiple-Response questions, candidates should read the question and available responses, and choose the response option(s) they believe to be correct.

Each question is worth up to one point. Each chosen response option can:

- give full credit for the question (i.e., 1 point)
- give partial credit for the question (e.g., 0.5 points)
- take away all possible credit for the question (i.e., a **Clinical Judgment Error**; no credit is given for the question, even if the candidate selected other options that were correct).
- neither give credit nor take away credit (a "neutral option")

For questions involving responses that provide partial credit, candidates must identify all of the response options that provide partial credit in order to receive full credit (i.e., one point) for the question.

The instructions for Multiple-Choice, Multiple-Response questions are provided as follows:

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

IMPORTANT NOTE: Candidates should think carefully when responding, so they identify the correct answer(s) while steering clear of any incorrect selection(s) that could result in the loss of all available credit for a question.

Practice questions 5 through 19 are examples of Multiple-Choice, Multiple-Response questions.

Example Scoring for Multiple Choice, Multiple Response with Partial Credit

In the hypothetical example shown below, there are two correct responses indicated in bold text: **Malignant tumor** and **Cyst or benign tumor**. There is one neutral response option indicated in italicized text: *Developmental condition*. The remaining responses are incorrect, and considered Clinical Judgment Errors. To earn full credit (i.e., 1 point), a candidate must select both of the correct responses <u>and</u> avoid selecting any of the incorrect responses. A candidate can earn partial credit—in this example a half point—by selecting only one of the correct responses (e.g., Malignant tumor) as long as they also avoid selecting any of the incorrect responses. A candidate who selects any incorrect response will automatically earn no credit for the question, even if they also select one or both of the correct responses. Candidates neither gain credit, nor lose credit for selecting the neutral response.

> **Clinical Image Would Appear Here**

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.
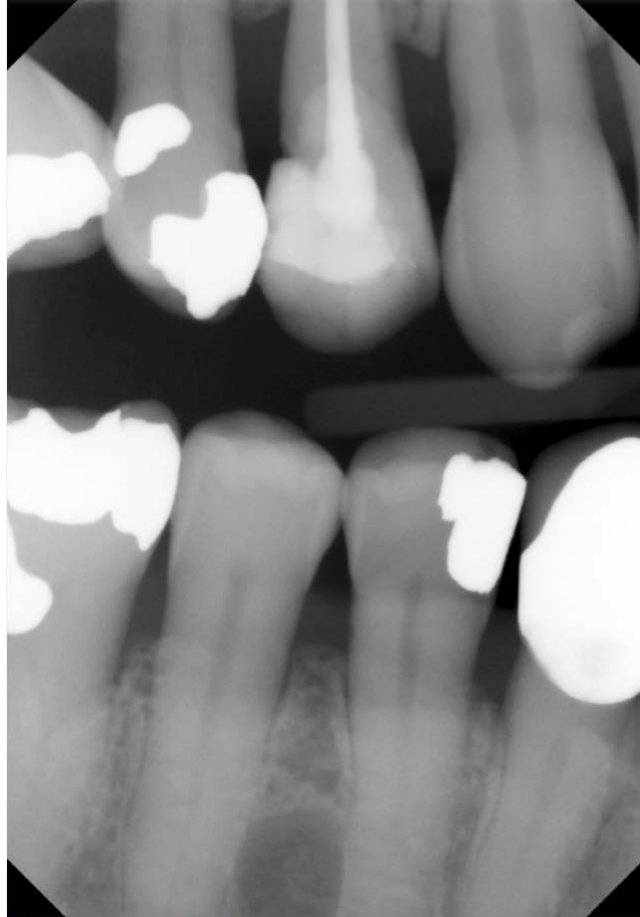
What should be included in a differential diagnosis?

		Credit awarded if option chosen	Penalty: All credit lost for this question
a.	Normal anatomical variant		X
b.	*Developmental condition*		
c.	Allergic or immune-mediated condition		X
d.	Localized viral infection		X
e.	Localized fungal infection		X
f.	Localized bacterial infection		X
g.	Traumatic lesion		X
h.	**Cyst or benign tumor**	**+ 0.5 pt**	
i.	**Malignant tumor**	**+ 0.5 pt**	

Total Possible Credit   1 point

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Patient
Female, 56 years old

Chief Complaint
"I have a bump on my gums"

Background and/or Patient History

Current Findings
Swelling in the lower right premolar area

See next slide.

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Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which should be included in a differential diagnosis?

A. Normal anatomical variant
B. Radiographic artifact
C. Cyst or benign tumor
D. Malignant tumor
E. Odontogenic inflammatory condition
F. Non-odontogenic inflammatory condition
G. Reactive lesion (simple bone cyst, giant cell lesions)
H. Fibro-osseous lesion
I. Traumatic lesion/fracture
J. Developmental condition
K. Manifestation of systemic disease

Correct: C (partial credit, 0.5 points) and E (partial credit, 0.5 points)
Unscored/Neutral: G, H, and K
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Oral Pathology, Pain Management, and Temporomandibular Dysfunction

Patient
Female, 63 years old

Chief Complaint
"I'm in a lot of pain, and my gums bleed."

Background and/or Patient History
Condition has been present for six weeks Patient reports difficulty eating First occurrence of this condition

Current Findings
Afebrile Generalized condition on the keratinized and non-keratinized oral tissues

See next slide.

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Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

In addition to patient education, which is indicated for management?
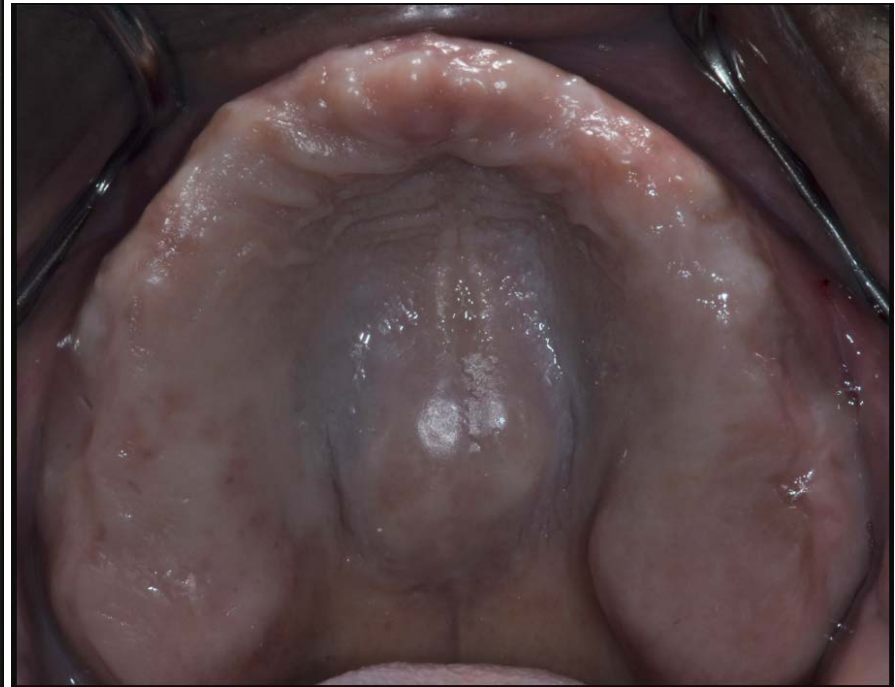
A. No treatment
B. Topical antibiotic
C. Topical corticosteroid
D. Topical antifungal
E. Topical antiviral
F. Topical anesthetic
G. Systemic analgesic
H. Biopsy

> **Correct:** C (partial credit, 0.25 points) and H (partial credit, 0.75 points)
> **Unscored/Neutral:** D, F, and G
> **Clinical Judgment Error/Incorrect:** Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
> **Content Classification:** Oral Pathology, Pain Management, and Temporomandibular Dysfunction

See next slide.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Complications associated with the use of a maxillary complete denture for this patient include

A. compromised retention.
B. compromised stability.
C. compromised masticatory function.
D. impingement on the frenum.
E. impingement on tori.
F. impingement on bony exostoses.

> **Correct:** A (partial credit, 0.2 points), E (partial credit, 0.4 points), and F (partial credit, 0.4 points)
> **Unscored/Neutral:** B
> **Clinical Judgment Error/Incorrect:** Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
> **Content Classification:** Prosthodontics

Patient
Male, 74 years old

Chief Complaint
"I need a check up. It's been about five years."

Background and/or Patient History
Smoker (cigarettes), 50-pack-year history

Current Findings
Generalized 5 to 7 mm pocket depths with generalized bleeding on probing Multiple furcations noted No mobility Poor oral hygiene

See next slide.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

In addition to oral hygiene instruction, initial (Phase I) periodontal management includes

A. monitoring but no treatment.
B. extraction of tooth 30.
C. prophylaxis.
D. scaling and root planing.
E. prescribing an antibiotic.
F. prescribing an analgesic.
G. smoking cessation counseling.
H. splinting.
I. replacing iatrogenic restoration(s).
J. placing an implant.
K. periodontal surgery.

Correct: D (partial credit, 0.5 points) and G (partial credit, 0.5 points)
Unscored/Neutral: I
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Periodontics

Patient
Male, 67 years old

Chief Complaint
"My tooth hurts." [Patient points to lower anteriors]

Background and/or Patient History
Pain upon brushing and swollen gingiva for one week

Current Findings
Bleeding on probing Purulent exudate Pain upon mastication Probing depths: 6 to 8 mm Pulp vitality: normal

See next slide.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

In addition to oral hygiene instruction, initial (Phase I) periodontal management includes

A. monitoring but no treatment.
B. extraction of tooth 24.
C. endodontic therapy.
D. prophylaxis.
E. scaling and root planing.
F. prescribing an antibiotic.
G. prescribing an analgesic.
H. placing an implant.
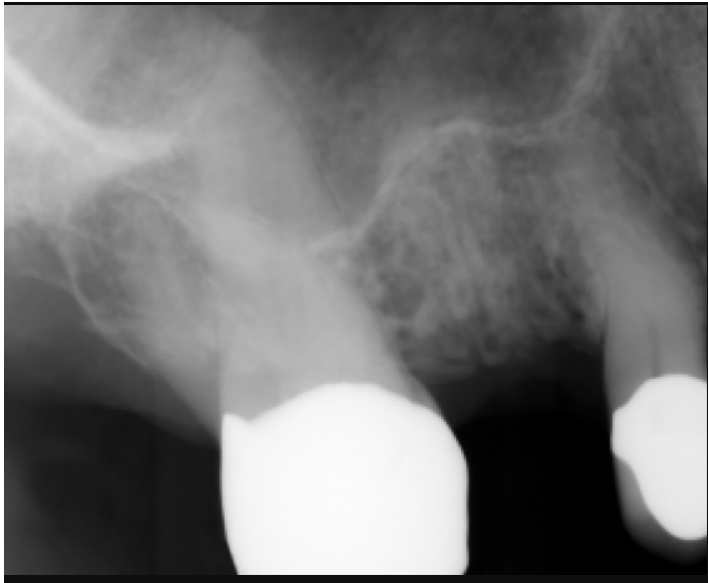I. periodontal surgery.

> **Correct:** E (full credit, 1.0 point)
> **Unscored/Neutral:** G
> **Clinical Judgment Error/Incorrect:** Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
> **Content Classification:** Periodontics

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which may complicate extraction of tooth 2?

A. There are no findings that will complicate extraction.
B. Hypercementosis
C. Root morphology
D. Ankylosis
E. Extensive caries on tooth 2
F. Extensive restoration of tooth 2
G. Endodontic treatment of tooth 2
H. Proximity to adjacent tooth/teeth
I. Isolated tooth
J. Proximity to maxillary sinus
K. Associated pathological lesion

Correct: F (partial credit, 0.25 point), I (partial credit, 0.25 points), and J (partial credit, 0.5 points)
Unscored/Neutral: C
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Oral Surgery

Patient
Female, 55 years old, Caucasian

Chief Complaint
"I have white patches and sores in my mouth that hurt."

Background and/or Patient History
Recurrent white patches and sores in mouth for the past two years

Current Findings
Concurrent purple, itchy, scaly skin lesions on legs and arms

See next slide.

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Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

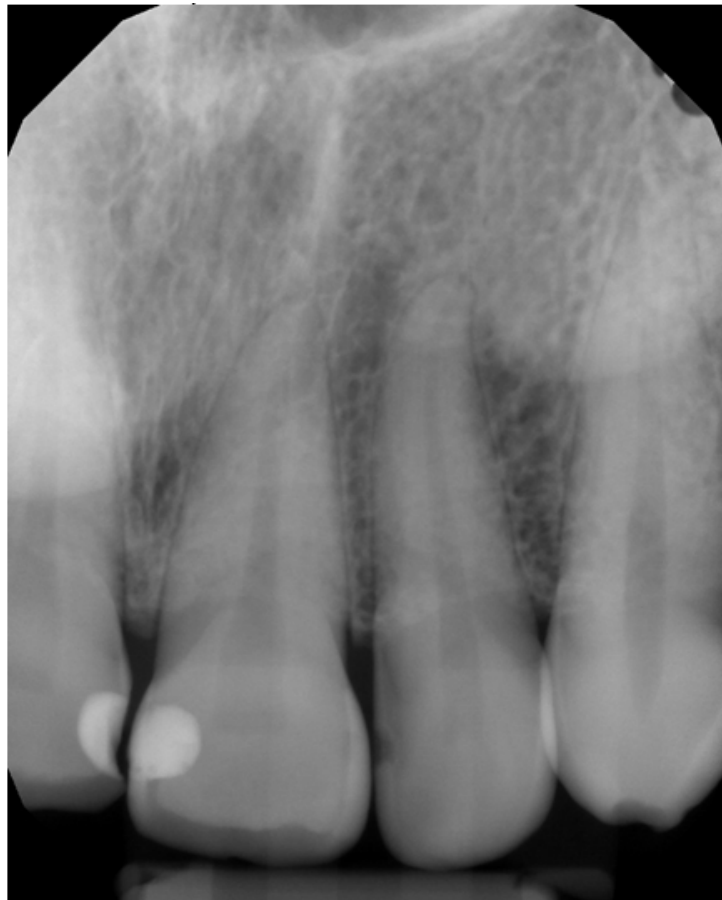Which should be included in the differential diagnosis?

A. No visible lesion
B. Aphthous ulcer(s)
C. Herpes zoster
D. Traumatic ulcer(s)
E. Recurrent herpes simplex
F. Primary herpetic gingivostomatitis
G. Erythema migrans/geographic tongue
H. Mucosal burn
I. Lichen planus
J. Squamous cell carcinoma
K. Mucous membrane pemphigoid (cicatricial pemphigoid)
L. Pemphigus vulgaris
M. Erythema multiforme

Correct: I (full credit, 1 point)
Unscored/Neutral: None
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Oral Pathology

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which tooth surfaces have carious lesions or defective restorations?
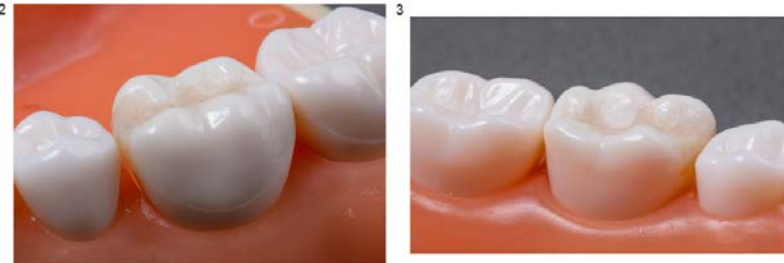
A. 8 mesial
B. 9 mesial
C. 9 distal
D. 10 mesial

Correct: A (partial credit, 0.5 points) and D (partial credit, 0.5 points)
Unscored/Neutral: C
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Restorative Dentistry

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Please note: Questions similar to this may include 3D models that can be moved, rotated, and zoomed in and out.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which describes the MO composite restoration on tooth 19?

A. Acceptable
B. Unacceptable interproximal contact
C. Over-contoured proximal surface
D. Under-contoured proximal surface
E. Overhang present
F. Cavosurface void present
G. Hyperocclusion
H. Exposed dentin present

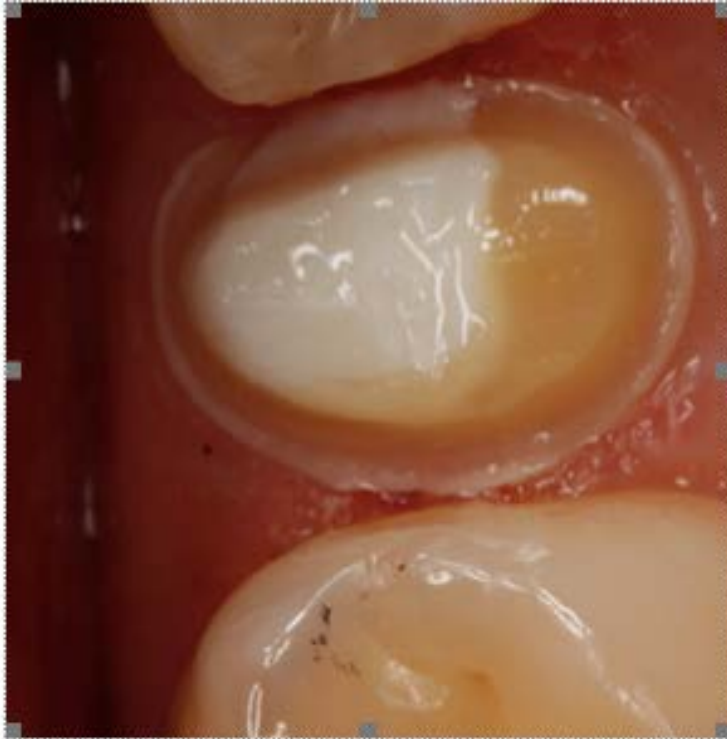**Correct:** A (full credit, 1 point)
Unscored/Neutral: None
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Restorative Dentistry

Please note: Questions similar to this may include 3D models that can be moved, rotated, and zoomed in and out.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which describes the crown preparation on tooth 4?

A. Acceptable
B. Undercut
C. Over-tapered
D. Unacceptably sharp
E. Inadequate proximal clearance
F. Finish line located on restorative material

Correct: F (full credit, 1 point)
Unscored/Neutral: C
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Restorative Dentistry

Please note: Questions similar to this may include 3D models that can be moved, rotated, and zoomed in and out.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

There is an MO amalgam preparation on tooth 20. What is required prior to restoration placement?

A. No modifications
B. Deepen the pulpal floor
C. Deepen the mesio-axial wall
D. Modify the mesio-buccal wall
E. Modify the mesio-lingual wall
F. Extend the mesio-gingival floor gingivally
G. Restore or recontour the adjacent tooth

Correct: A (full credit, 1 point)
Unscored/Neutral: None
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
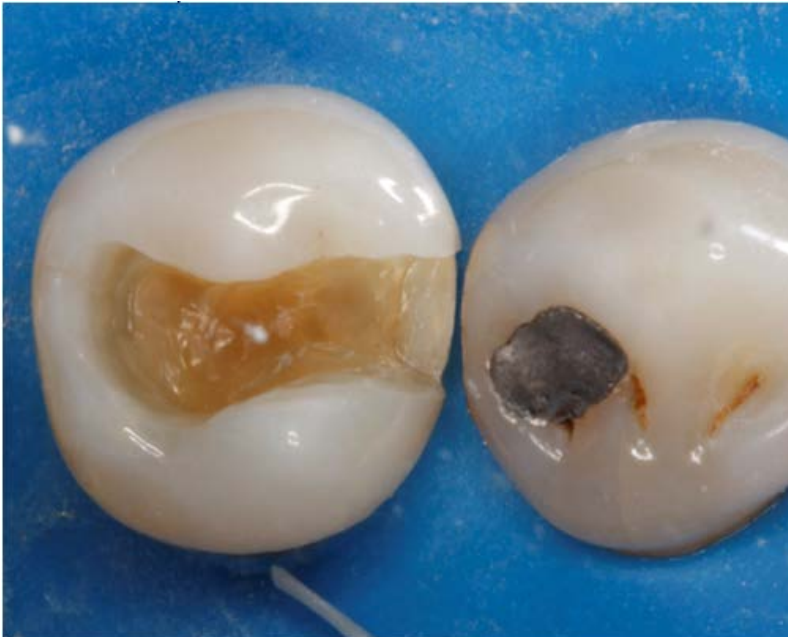**Content Classification:** Restorative Dentistry

Patient
Female, 30 years old

Chief Complaint
"I have had constant pain since yesterday and it kept me awake all night."

Background and/or Patient History
Fractured tooth two months ago. Adequate dental insurance and cost is not a barrier to treatment.

Current Findings
Periodontal probing depths 2 to 4 mm

Tooth #	Percussion	Palpation	Cold	EPT
3	+++	++	+++	10/80
5	-	-	+	40/80

See next slide.

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Treatment of tooth 3 includes

A. monitoring but no treatment.
B. root canal treatment.
C. periapical surgery.
D. extraction.
E. incision and drainage.
F. definitive restoration.
G. pulp cap.
H. antibiotic therapy.
I. analgesics.

> **Correct:** B (partial credit, 0.8 points) and I (partial credit, 0.2 points)
> **Unscored/Neutral:** D and F
> **Clinical Judgment Error/Incorrect:** Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
> **Content Classification:** Endodontics

Patient	

Patient

Male, 59 years old

Chief Complaint

"I'm here for my extraction."

Background and/or Patient History

Erectile dysfunction
No other medical conditions

Medications:
sildenafil (Viagra®), last dose taken
16 hours ago

Current Findings

BP: 120/86
Patient begins to complain of chest
pain and shortness of breath shortly
after the extraction

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Appropriate management includes

A. no intervention.
B. reassuring the patient.
C. administering epinephrine.
D. administering glucose orally.
E. administering nitroglycerin.
F. administering oxygen.
G. administering albuterol.
H. beginning cardiac compressions and ventilating the patient.
I. placing the patient in the Trendelenburg position.
J. activating emergency medical services (EMS).

Correct: F (full credit, 1 point)
Unscored/Neutral: B and J
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Medical Emergencies

Dental Licensure Objective Structured Clinical Examination (DLOSCE)

Multiple-Choice, Multiple-Response Questions

Special Case: Multiple Correct Answers that Each Earn Full Credit

Example Scoring with Multiple Correct Answers that Each Earn Full Credit

In certain questions, selecting a particular response can result in candidates earning full credit for the question, as long as they avoid selecting any of the incorrect responses.

In the hypothetical example shown below, there are two, fully correct answers indicated in bold text: ***Eliminate local etiological factors*** and ***Biopsy***. A candidate can earn full credit (i.e., 1 point) for selecting one or both correct answers, as long as they also avoid selecting any of the incorrect responses. Candidates who select both correct answers still earn a maximum of one point for the question. A candidate who selects an incorrect response will automatically earn no credit for the question, even if they also selected one or both of the correct answers. The example below along with sample questions 18 and 19 provide examples of this.

Clinical Image Would Appear Here

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

In addition to patient education, which is indicated for management?

	Credit awarded if option chosen	Penalty: All credit lost for this question
No treatment		X
Topical antibiotic		X
Systemic antibiotic		X
Topical corticosteroid		X
Topical antifungal		X
Systemic antifungal		X
Systemic corticosteroid		X
Topical antiviral		X
Systemic antiviral		X
Topical anesthetic		X
Systemic analgesic		X
Eliminate local etiological factors	**Full credit (1 pt)**	
Biopsy	**Full credit (1 pt)**	

Total Possible Credit   1 point

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Patient
Male, 72 years old

Chief Complaint
"I just noticed a bump on my gums two weeks ago that wasn't there before I had my root canal done."

Background and/or Patient History
Root canal therapy completed six months ago

Current Findings
Sinus tract on buccal gingiva adjacent to tooth 3 Mild percussion and palpation sensitivity; tooth 3 Periodontal probing depths 3 to 4 mm

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Appropriate management of tooth 3 includes

A. monitoring but no treatment.
B. correcting occlusal contacts.
C. retreating endodontically.
D. placing a definitive restoration.
E. bleaching.
F. apexogenesis.
G. apexification.
H. performing apical surgery and place a retrograde filling.
I. performing a biopsy.
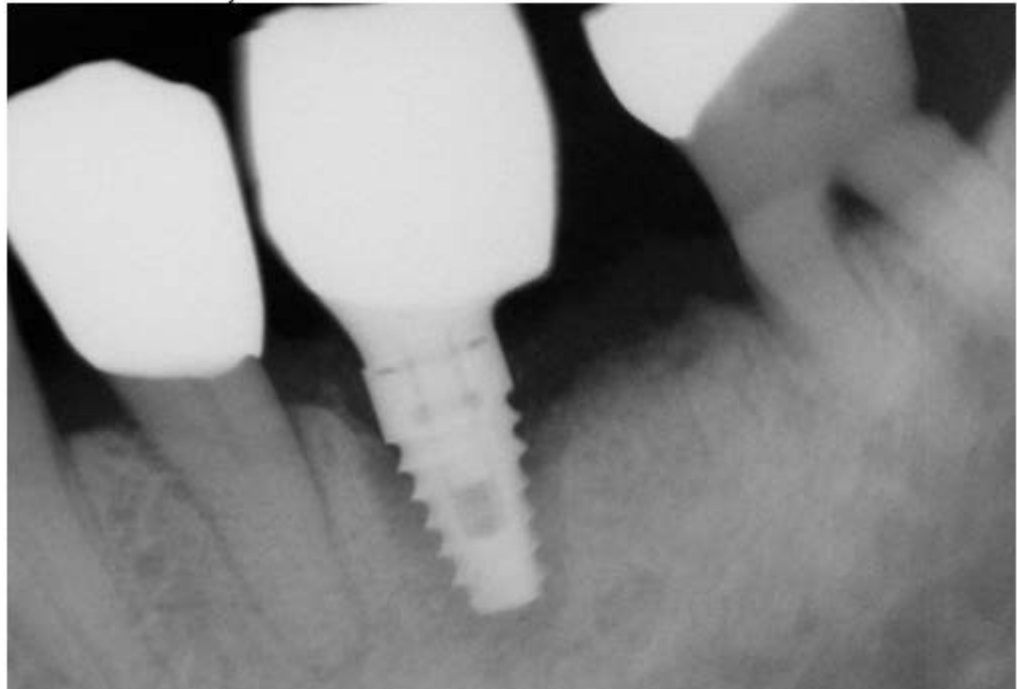J. pulpotomy.
K. pulpectomy.
L. extracting the tooth.

Correct: C (full credit, 1 point) and/or H (full credit, 1 point)
Unscored/Neutral: L
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Endodontics

Patient
Male, 56 years old

Chief Complaint
"My implant crown is loose on the lower left."

Background and/or Patient History
Implant placed six years ago

Current Findings
Mobility 1 to 2 mm buccolingually and mesiodistally

See next slide.

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Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which is/are the most likely reason(s) for the patient's chief complaint?

A. Loose screw
B. Fractured implant
C. Fractured abutment
D. Loss of osseointegration
E. Inappropriate occlusion
F. Peri-implantitis
G. Implant compromises adjacent tooth/teeth
H. Implant compromises mandibular nerve

Correct: D (Full credit, 1 point) and F (Full credit, 1 point)
Unscored/Neutral: A and E
Clinical Judgment Error/Incorrect: Selecting any response other than a "Correct" or "Unscored/Neutral" response causes the candidate to receive no credit (0 points) for this question, even if a Correct response was also selected.
Content Classification: Prosthodontics

Dental Licensure Objective Structured Clinical Examination (DLOSCE)

3-Dimensional Models

3-Dimensional Models

- Some DLOSCE items include 3-dimensional dental models

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3-Dimensional Models

The DLOSCE contains questions involving lifelike, three-dimensional (3-D) models that can be manipulated, zoomed in and out, moved, and rotated. The JCNDE has made an online tutorial available, so that candidates can practice interacting with this 3-D model before they arrive at the test center. Click below to access this tutorial and to practice viewing and manipulating a 3-D model.

Questions involving 3-D models include a help section represented by a question mark in the upper right-hand corner of the screen. Clicking on the question mark will display instructions on how to manipulate the model. This help section is also available by clicking on the question mark in the sample 3-D model provided in the link below.

[Click here](#) for more information on the 3-D models featured on the DLOSCE.

3-Dimensional Models

Select **ONE OR MORE** correct answers. Any **INCORRECT** selections will result in your earning **NO CREDIT** for this question.

Which describes the MO composite restoration on tooth 19?

- Acceptable
- Unacceptable interproximal contact
- Over-contoured proximal surface
- Under-contoured proximal surface
- Overhang present
- Cavosurface void present
- Hyperocclusion
- Exposed dentin present

3-D Model

The candidate would be presented with a 3-D model showing an MO composite restoration on tooth 19.

The candidate could manipulate the model (e.g., rotate, zoom) in order to view the restoration from multiple angles

Prescription Tasks

Each administered DLOSCE form contains two, multi-part prescription tasks. For each task, patient information will be presented in a Patient Box. Based on the information provided, candidates will be asked to choose an appropriate medication and its strength, and to provide any other accompanying instructions.

Candidates can also indicate that "No medication" is required. The rest of the information associated with that particular prescription task should then be left blank.

Candidate prescription task responses are evaluated against a detailed scoring key established by subject matter experts. Each prescription task is worth up to four points. Based on the combination of responses selected by the candidate, it is possible to receive no credit, partial credit or full credit for each prescription task.

Patient

Female, 68 years old

Chief Complaint

"I broke my bottom back tooth."

Background and/or Patient History

Recent history of gastric bleeding

Current Findings

Non-restorable tooth 30 was extracted during the visit, and required flap and bone removal

1. Select an appropriate medication for pain management.

A. No medication
B. acetaminophen
C. aspirin
D. celecoxib
E. codeine
F. codeine (in combination with acetaminophen)
G. diflunisal
H. flurbiprofen
I. hydrocodone
J. hydrocodone (in combination with acetaminophen)
K. hydromorphone
L. ibuprofen
M. ibuprofen (in combination with acetaminophen)
N. ketorolac
O. meperidine
P. naproxen
Q. oxycodone
R. oxycodone (in combination with acetaminophen)

See next slide.

Patient
Female, 68 years old

Chief Complaint
"I broke my bottom back tooth."

Background and/or Patient History
Recent history of gastric bleeding

Current Findings
Non-restorable tooth 30 was extracted during the visit, and required flap and bone removal

2. Type in the strength of the tablet/capsule.
NOTE: If you selected an option that has "in combination with acetaminophen" in parentheses, only type in the strength of the first drug listed and do not include the strength of the acetaminophen within your answer.

_____ mg

3. Type in the total number of tablets/capsules that should be obtained/dispensed.

_____

4a. Select the number of tablets/capsules that should be taken per administration.
A. 1
B. 1-2
C. 2
D. 2-3
E. 3
F. 4

4b. Should the patient take a loading dose?
A. yes
B. no

See next slide.

Patient
Female, 68 years old

Chief Complaint
"I broke my bottom back tooth."

Background and/or Patient History
Recent history of gastric bleeding

Current Findings
Non-restorable tooth 30 was extracted during the visit, and required flap and bone removal

5. Select the frequency of administration

A. every 4-6 hours until finished
B. every 4-6 hours as needed
C. every 6-8 hours until finished
D. every 6-8 hours as needed
E. every 12 hours until finished
F. every 12 hours as needed
G. once a day until finished
H. once a day as needed
I. twice a day for the first day followed by every 12 hours until finished
J. twice a day for the first day followed by every 12 hours as needed
K. three times a day for the first day followed by every 8 hours until finished
L. three times a day for the first day followed by every 8 hours as needed
M. four times a day for the first day followed by every 4-6 hours until finished
N. four times a day for the first day followed by every 6 hours as needed

Scoring: Prescription task responses are evaluated against a scoring key established by subject matter experts. Based on the combination of responses selected by the candidate, it is possible to receive no credit, partial credit, or full credit (4 points)
Content Classification: Prescriptions

Patient
Male, 45 years old

Chief Complaint
"I feel terrible and my face has been swollen for a few days."

Background and/or Patient History
Has not been to a dentist for three years Allergic to ampicillin

Current Findings
Temperature of 101 degrees F Red, warm, diffuse swelling in the right cheek Signs and symptoms consistent with a canine space infection

1. Select an appropriate medication to manage the infection.

A. No medication
B. acyclovir
C. amoxicillin
D. azithromycin
E. cephalexin
F. clarithromycin
G. clindamycin
H. doxycycline
I. erythromycin
J. fluconazole
K. ketoconazole
L. metronidazole
M. nystatin
N. penicillin VK
O. valacyclovir

See next slide.

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Patient
Male, 45 years old

Chief Complaint
"I feel terrible and my face has been swollen for a few days."

Background and/or Patient History
Has not been to a dentist for three years Allergic to ampicillin

Current Findings
Temperature of 101 degrees F Red, warm, diffuse swelling in the right cheek Signs and symptoms consistent with a canine space infection

2. Type in the strength of the tablet/capsule.

_____ mg

3. Type in the total number of tablets/capsules that should be obtained/dispensed.

_____

4a. Select the number of tablets/capsules that should be taken per administration.
A. 1
B. 2
C. 3
D. 4

4b. Should the patient take a loading dose?
A. yes
B. no

See next slide.

Patient

Male, 45 years old

Chief Complaint

"I feel terrible and my face has been swollen for a few days."

Background and/or Patient History

Has not been to a dentist for three years
Allergic to ampicillin

Current Findings

Temperature of 101 degrees F
Red, warm, diffuse swelling in the right cheek
Signs and symptoms consistent with a canine space infection

5. Select the frequency of administration

A. once a day until finished
B. once a day as needed
C. twice a day until finished
D. twice a day as needed
E. three times a day until finished
F. three time a day as needed
G. four times a day until finished
H. four times a day as needed

Scoring: Prescription task responses are evaluated against a scoring key established by subject matter experts. Based on the combination of responses selected by the candidate, it is possible to receive no credit, partial credit, or full credit (4 points)
Content Classification: Prescriptions

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