MULTIPLE CHOICE

1. Which surface of the body is visualized by the clinician when performing an extraoral examination of the patient’s eyes?
   a. Anterior
   b. Posterior
   c. Superior
   d. Lateral
   ANS: A
   Feedback
   A The patient’s eyes are visualized on the anterior surface of the patient’s body.
   B The patient’s eyes would NOT be easily visualized on the posterior of the patient’s body.
   C The patient’s eyes would NOT be easily visualized on the superior surface of the patient’s body.
   D The patient’s eyes would NOT be easily visualized on the lateral surface of the patient’s body.
   DIF: Comprehension  REF: p. 3  OBJ: 2
   TOP: CDA: General Chairside, I. B. Preliminary Physical Examination
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, I.1.1 Head and Neck Anatomy

2. Which of the following is CORRECT concerning the sagittal plane of the body?
   a. Parallel to the median plane
   b. Parallel to the frontal plane
   c. Parallel to the horizontal plane
   d. Parallel to the coronal plane
   ANS: A
   Feedback
   A A sagittal plane is parallel to the median plane.
   B A sagittal plane is NOT parallel to the frontal plane but perpendicular.
   C A horizontal plane is perpendicular to the median plane. A sagittal plane is parallel to the median plane. Thus a horizontal plane is perpendicular to a sagittal plane.
   D A sagittal plane is NOT parallel to the coronal plane but perpendicular.
   DIF: Recall  REF: p. 3  OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, I.1 Anatomy

3. When a patient is in anatomic position, what is the surface of the palms of the hand considered?
   a. Anterior
   b. Lateral
   c. Medial
   d. Posterior
   ANS: A
   Feedback
   A The palms of the hands in anatomic position are facing toward the front and are anterior (or ventral).
   B The palms of the hands in anatomic position are NOT facing lateral or away from the median plane but are facing toward the front and are anterior (or ventral).
   C The palms of the hands in anatomic position are NOT facing medial or toward the median plane but are facing toward the front and are anterior (or ventral).
   D The palms of the hands in anatomic position are NOT facing toward the posterior or back of the body but are facing toward the front and are anterior (or ventral).
   DIF: Recall  REF: p. 3  OBJ: 2
   TOP: CDA: General Chairside, I. B. Preliminary Physical Examination
   MSC: NBDHE, Provision of Clinical Dental Hygiene Services, 1.0 Assessing Patient Characteristics
4. What is the anatomic relationship of the right arm to the left leg?
   a. Sagittal
   b. Contralateral
   c. Ipsilateral
   d. Midsagittal
   
   **ANS:** B

   **Feedback**
   
   **A** The two legs are contralateral to each other. Sagittal describes a plane of division of the body created by an imaginary plane parallel to the median plane.
   
   **B** Contralateral structures are located on the opposite side of the body, which is the anatomic relationship of the right arm to the left leg.
   
   **C** Ipsilateral refers to structures on the same side of the body; in contrast, the two legs are contralateral to each other and thus are located on the opposite side of the body.
   
   **D** The two legs are contralateral to each other. Midsagittal describes a plane that divides the body into right and left halves.

5. What is the anatomic relationship of the muscles to the skin?
   a. Anterior
   b. External
   c. Deep
   d. Superficial
   
   **ANS:** C

   **Feedback**
   
   **A** Muscles are deep to the skin.
   
   **B** Muscles are deep to the skin.
   
   **C** Muscles are located inward, away from the body surface, deep to the skin.
   
   **D** Muscles are deep to the skin.

6. What is the anatomic relationship of the shoulders to the hips?
   a. Deep
   b. Medial
   c. Inferior
   d. Superior
   
   **ANS:** D

   **Feedback**
   
   **A** The shoulders are superior to the hips.
   
   **B** The shoulders are superior to the hips.
   
   **C** The shoulders are superior to the hips.
   
   **D** The shoulders are superior to or closer to the head than the hips.

7. Which of the following is meant by the term “ventral”?
   a. Back of an area of the body
   b. Front of an area of the body
   c. Inner side of an area of the body
   d. Outer side of an area of the body
   
   **ANS:** B

   **Feedback**
   
   **A** The back of an area of the body is referred to as the posterior surface.
   
   **B** The front of an area of the body is referred to as the ventral surface.
   
   **C** The inner side of an area of the body, away from the body surface, is referred to as deep.
   
   **D** The outside of an area of the body, toward the surface, is referred to as superficial.
8. Which of the following describes a patient’s eyes when they are in anatomic position?
   a. Closed tightly
   b. Looking toward the lateral
   c. Looking toward the medial
   d. Looking straight forward

   ANS: D

   Feedback
   A The patient’s eyes in anatomic position are open and look forward.
   B The patient’s eyes in anatomic position are open and look forward.
   C The patient’s eyes in anatomic position are open and look forward.
   D The patient’s eyes in anatomic position are open and look forward.

   DIF: Recall  REF: p. 2  OBJ: 2
   TOP: CDA: General Chairside, I. B. Preliminary Physical Examination
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1.1 Head and Neck Anatomy

9. What is the anatomic relationship of the maxillary arch to the mandibular arch?
   a. Deep
   b. Inferior
   c. Superior
   d. Superficial

   ANS: C

   Feedback
   A The maxillary arch is superior to the mandibular arch. Deep refers to structures
   that are located away from the body surface.
   B The maxillary arch is superior to the mandibular arch. Inferior refers to surfaces
   closer to the feet or that face toward the feet.
   C The maxillary arch is superior to the mandibular arch.
   D The maxillary arch is superior to the mandibular arch. Superficial refers to
   structures located toward the surface of the body.

   DIF: Comprehension  REF: p. 3  OBJ: 2
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1.2 Dental Anatomy

10. What is the anatomic relationship of the teeth located in the front of the mouth to the teeth located in the back of the mouth?
    a. Anterior
    b. Medial
    c. Posterior
    d. Superficial

    ANS: C

    Feedback
    A Teeth located in the back of the mouth are considered posterior. Teeth located in
    the front of the mouth are considered anterior
    B Medial refers to structures located closer to the median plane.
    C Teeth located in the back of the mouth are considered posterior to teeth located
    in the front of the mouth, which are considered anterior.
    D Superficial refers to structures located closer to the surface of the body.

    DIF: Comprehension  REF: p. 3  OBJ: 2
    TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
    MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1.2 Dental Anatomy
11. The inner side of the wall of a hollow structure is referred to as internal. In contrast, the outer side of the wall of a hollow structure is external.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: A

   Feedback
   A Both statements are true. The inner side of the wall of a hollow structure is referred to as internal. The outer side of the wall of a hollow structure is external.
   B Both statements are true. The inner side of the wall of a hollow structure is referred to as internal. The outer side of the wall of a hollow structure is external.
   C Both statements are true. The inner side of the wall of a hollow structure is referred to as internal. The outer side of the wall of a hollow structure is external.
   D Both statements are true. The inner side of the wall of a hollow structure is referred to as internal. The outer side of the wall of a hollow structure is external.

   DIF: Recall  REF:  p. 3   OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

12. What is another term for a transverse section?
   a. Vertical section
   b. Horizontal section
   c. Anterior section
   d. Posterior section
   ANS: B

   Feedback
   A The transverse section or horizontal section is a division through a horizontal plane.
   B The transverse section or horizontal section is a division through a horizontal plane.
   C The transverse section or horizontal section is a division through a horizontal plane.
   D The transverse section or horizontal section is a division through a horizontal plane.

   DIF: Recall  REF:  p. 3   OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

13. An area closer to the median plane is considered to be distal, and an area farther from the median plane is considered proximal.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: B

   Feedback
   A Both statements are false. An area closer to the median plane is considered to be proximal, and an area farther from the median plane is considered distal.
   B Both statements are false. An area closer to the median plane is considered to be proximal, and an area farther from the median plane is considered distal.
   C Both statements are false. An area closer to the median plane is considered to be proximal, and an area farther from the median plane is considered distal.
   D Both statements are false. An area closer to the median plane is considered to be proximal, and an area farther from the median plane is considered distal.

   DIF: Recall  REF:  p. 3   OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy
14. Structures on the same side of the body are considered ipsilateral. Structures on the opposite side of the body are considered contralateral.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: A

   **Feedback**

<table>
<thead>
<tr>
<th>Feedback</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Both statements are true. Structures on the same side of the body are considered ipsilateral. Structures on the opposite side of the body are considered contralateral.</td>
</tr>
<tr>
<td>B</td>
<td>Both statements are true. Structures on the same side of the body are considered ipsilateral. Structures on the opposite side of the body are considered contralateral.</td>
</tr>
<tr>
<td>C</td>
<td>Both statements are true. Structures on the same side of the body are considered ipsilateral. Structures on the opposite side of the body are considered contralateral.</td>
</tr>
<tr>
<td>D</td>
<td>Both statements are true. Structures on the same side of the body are considered ipsilateral. Structures on the opposite side of the body are considered contralateral.</td>
</tr>
</tbody>
</table>

DIF: Recall  REF: p. 3  OBJ: 1  
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development  
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

15. The number of bones and muscles in the head and neck is NOT usually constant, and specific details of these structures can vary from patient to patient.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: D

   **Feedback**

<table>
<thead>
<tr>
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<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>The first statement is false; the second is true. The number of bones and muscles in the head and neck is usually constant, but specific details of these structures can vary from patient to patient.</td>
</tr>
<tr>
<td>B</td>
<td>The first statement is false; the second is true. The number of bones and muscles in the head and neck is usually constant, but specific details of these structures can vary from patient to patient.</td>
</tr>
<tr>
<td>C</td>
<td>The first statement is false; the second is true. The number of bones and muscles in the head and neck is usually constant, but specific details of these structures can vary from patient to patient.</td>
</tr>
<tr>
<td>D</td>
<td>The first statement is false; the second is true. The number of bones and muscles in the head and neck is usually constant, but specific details of these structures can vary from patient to patient.</td>
</tr>
</tbody>
</table>

DIF: Comprehension  REF: p. 3  OBJ: 3  
TOP: CDA: General Chairside, I. B. Preliminary Physical Examination  
MSC: NBDHE, Provision of Clinical Dental Hygiene Services, 1.0 Assessing Patient Characteristics
16. The median plane is created by an imaginary line dividing the body into equal right and left halves. On the surface of the body, these halves are NEVER symmetric in structure.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: C

   Feedback
   A  The first statement is true; the second is false. The median plane or midsagittal plane is created by an imaginary line dividing the body into equal right and left halves. On the surface of the body, these halves are generally symmetric in structure, yet the same symmetry does NOT apply to all internal structures.
   B  The first statement is true; the second is false. The median plane or midsagittal plane is created by an imaginary line dividing the body into equal right and left halves. On the surface of the body, these halves are generally symmetric in structure, yet the same symmetry does NOT apply to all internal structures.
   C  The first statement is true; the second is false. The median plane or midsagittal plane is created by an imaginary line dividing the body into equal right and left halves. On the surface of the body, these halves are generally symmetric in structure, yet the same symmetry does NOT apply to all internal structures.
   D  The first statement is true; the second is false. The median plane or midsagittal plane is created by an imaginary line dividing the body into equal right and left halves. On the surface of the body, these halves are generally symmetric in structure, yet the same symmetry does NOT apply to all internal structures.

17. An area closer to the median plane of the body or structure is considered lateral. An area farther from the median plane of the body or structure is considered proximal.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: B

   Feedback
   A  Both statements are false. An area closer to the median plane of the body or structure is considered medial. An area farther from the median plane of the body or structure is considered lateral, and an area closer to the median plane is considered to be proximal.
   B  Both statements are false. An area closer to the median plane of the body or structure is considered medial. An area farther from the median plane of the body or structure is considered lateral, and an area closer to the median plane is considered to be proximal. Within the dentition, the proximal surface would be considered mesial.
   C  Both statements are false. An area closer to the median plane of the body or structure is considered medial. An area farther from the median plane of the body or structure is considered lateral, and an area closer to the median plane is considered to be proximal.
   D  Both statements are false. An area closer to the median plane of the body or structure is considered medial. An area farther from the median plane of the body or structure is considered lateral, and an area closer to the median plane is considered to be proximal.
18. What is another term for coronal plane?

a. Frontal plane
b. Coronal section
c. Horizontal plane
d. Horizontal section

ANS: A

Feedback

A A frontal plane or coronal plane is created by an imaginary line dividing the body at any level into both anterior and posterior parts.
B The frontal plane or coronal section is a division through any frontal plane.
C A horizontal plane is created by an imaginary line dividing the body at any level into superior and inferior parts and is always perpendicular to the median plane.
D The transverse section or horizontal section is a division through a horizontal plane.

DIF: Recall  REF: p. 3  OBJ: 1
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

19. Muscles may differ in size and details of their attachments. Joints, vessels, nerves, glands, lymph nodes, fasciae, and spaces of an individual can vary in size, location, and even presence.

a. Both statements are true.
b. Both statements are false.
c. The first statement is true; the second is false.
d. The first statement is false; the second is true.

ANS: A

Feedback

A Both statements are true. Muscles may differ in size and details of their attachments. Joints, vessels, nerves, glands, lymph nodes, fasciae, and spaces of an individual can vary in size, location, and even presence.
B Both statements are true. Muscles may differ in size and details of their attachments. Joints, vessels, nerves, glands, lymph nodes, fasciae, and spaces of an individual can vary in size, location, and even presence.
C Both statements are true. Muscles may differ in size and details of their attachments. Joints, vessels, nerves, glands, lymph nodes, fasciae, and spaces of an individual can vary in size, location, and even presence.
D Both statements are true. Muscles may differ in size and details of their attachments. Joints, vessels, nerves, glands, lymph nodes, fasciae, and spaces of an individual can vary in size, location, and even presence.

DIF: Comprehension  REF: p. 3  OBJ: 3
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

20. What is another term for midsagittal plane?

a. Median plane
b. Coronal plane
c. Frontal plane
d. Horizontal plane

ANS: A

Feedback

A The median plane or midsagittal plane is created by an imaginary line dividing the body into equal right and left halves.
B A frontal plane or coronal plane is created by an imaginary line dividing the body at any level into anterior and posterior parts.
C A frontal plane or coronal plane is created by an imaginary line dividing the body at any level into anterior and posterior parts.
D A horizontal plane is created by an imaginary line dividing the body at any level into superior and inferior parts and is always perpendicular to the median plane.

DIF: Recall  REF: p. 3  OBJ: 1
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy
21. A horizontal plane is created by an imaginary line dividing the body at any level into both superior and inferior parts and is ALWAYS _______ to the median plane.
   a. anterior
   b. posterior
   c. parallel
   d. perpendicular
   ANS: D

22. The ventral part is directed toward the anterior and is considered the opposite of the dorsal part when considering the entire body.
   a. Both statements are true.
   b. Both statements are false.
   c. The first statement is true; the second is false.
   d. The first statement is false; the second is true.
   ANS: A

23. The transverse section is a division through a _____ plane.
   a. horizontal
   b. frontal
   c. sagittal
   d. coronal
   ANS: A
24. The dental professional MUST have a thorough understanding of head and neck anatomy when performing patient examination procedures, both extraoral and intraoral. Certain terms can be used to give information about the depth of a structure in relationship to the surface of the body.

a. Both the statement and the reason are correct and related.
b. Both the statement and the reason are correct but NOT related.
c. The statement is correct, but the reason is NOT.
d. The statement is NOT correct, but the reason is correct.
e. NEITHER the statement NOR the reason is correct.

ANS: A

Feedback

A. Both the statement and the reason are correct and related. The dental professional MUST have a thorough understanding of head and neck anatomy when performing patient examination procedures, both extraoral and intraoral. Certain terms can be used to give information about the depth of a structure in relationship to the surface of the body.

B. Both the statement and the reason are correct and related. The dental professional MUST have a thorough understanding of head and neck anatomy when performing patient examination procedures, both extraoral and intraoral. Certain terms can be used to give information about the depth of a structure in relationship to the surface of the body.

C. Both the statement and the reason are correct and related. The dental professional MUST have a thorough understanding of head and neck anatomy when performing patient examination procedures, both extraoral and intraoral. Certain terms can be used to give information about the depth of a structure in relationship to the surface of the body.

D. Both the statement and the reason are correct and related. The dental professional MUST have a thorough understanding of head and neck anatomy when performing patient examination procedures, both extraoral and intraoral. Certain terms can be used to give information about the depth of a structure in relationship to the surface of the body.

E. Both the statement and the reason are correct and related. The dental professional MUST have a thorough understanding of head and neck anatomy when performing patient examination procedures, both extraoral and intraoral. Certain terms can be used to give information about the depth of a structure in relationship to the surface of the body.

DIF: Comprehension  REF: p. 3  OBJ: 2  TOP: CDA: General Chairside, I. B. Preliminary Physical Examination | CDA: General Chairside, II. C. Describe how to perform and/or assist with intraoral procedures  MSC: NBDHE: Provision of Clinical Dental Hygiene Services, 1.0 Assessing Patient Characteristics

25. The face is on the anterior side of the head, and the neck is superior and posterior to the face.

a. Both statements are true.
b. Both statements are false.
c. The first statement is true; the second is false.
d. The first statement is false; the second is true.

ANS: C

Feedback

A. The first statement is true; the second is false. The face is on the anterior side of the head, and the neck is inferior and posterior to the face. The hair is superior to the face as well.

B. The first statement is true; the second is false. The face is on the anterior side of the head, and the neck is inferior and posterior to the face. The hair is superior to the face as well.

C. The first statement is true; the second is false. The face is on the anterior side of the head, and the neck is inferior and posterior to the face. The hair is superior to the face as well.

D. The first statement is true; the second is false. The face is on the anterior side of the head, and the neck is inferior and posterior to the face. The hair is superior to the face as well.

DIF: Comprehension  REF: p. 3  OBJ: 2  TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development  MSC: NBDHE: Scientific Basis for Dental Hygiene Practice, 1.1.1 Head and Neck Anatomy
1. From the following list of anatomic terms, select which terms are DIRECTLY associated with the planes that can be noted with the body. (Select all that apply.)
a. Medial or distal  
b. Median or sagittal  
c. Frontal or horizontal  
d. Lateral or proximal  
ANS: B, C

<table>
<thead>
<tr>
<th>Correct</th>
<th>Feedback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median, sagittal, frontal, and horizontal actually are planes, so they are DIRECTLY associated with planes that can be noted with the body.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Incorrect</th>
<th>Feedback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medial, distal, lateral, and proximal are descriptions for parts of the body in relationship to the planes, so they are NOT DIRECTLY associated with the planes themselves.</td>
<td></td>
</tr>
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</table>

DIF: Recall  
REF: p. 4, Figure 1-4  
OBJ: 1  
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development  
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

2. From the following list of anatomic terms, select which terms can be used to give information about the depth of a structure in relationship to the surface of the body. (Select all that apply.)
a. Medial  
b. Superficial  
c. Deep  
d. External  
e. Internal  
ANS: B, C

<table>
<thead>
<tr>
<th>Correct</th>
<th>Feedback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superficial and deep are both used to give information about the depth of a structure in relationship to the surface of the body.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Incorrect</th>
<th>Feedback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medial is closer to the median plane (and lateral is farther away from the median plane). Internal is on the inner side of the wall of a hollow structure, and external is on the outer side of the wall of a hollow structure. Both do NOT give information about the depth of a structure in relationship to the surface of the body.</td>
<td></td>
</tr>
</tbody>
</table>

DIF: Recall  
REF: p. 3  
OBJ: 1  
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development  
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

3. From the following list of anatomic terms, select which terms are DIRECTLY related to the median plane of the body. (Select all that apply.)
a. Medial  
b. Lateral  
c. Ipsilateral  
d. Contralateral  
ANS: A, B

<table>
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<tr>
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<th>Feedback</th>
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<tbody>
<tr>
<td>Medial is closer to the median plane, and lateral is farther away from the median plane, so they both are DIRECTLY related to the median plane.</td>
<td></td>
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<table>
<thead>
<tr>
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<th>Feedback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ipsilateral is on the same side of the body, and contralateral is on the opposite side of the body, so they both are NOT DIRECTLY related to the median plane.</td>
<td></td>
</tr>
</tbody>
</table>

DIF: Recall  
REF: p. 3  
OBJ: 1  
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development  
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy
4. From the following list of anatomic terms, select which terms are DIRECTLY related to either an inner OR an outer side of a wall of a hollow organ. (Select all that apply.)
   a. Superficial
   b. Deep
   c. Internal
   d. External
   
   ANS: C, D

   Feedback
   Correct Internal is on the inner side of the wall of a hollow structure, and external is on the outer side of the wall of a hollow structure; both are DIRECTLY related to either an inner OR an outer side of a wall of a hollow organ.
   Incorrect Superficial and deep are both used to give information about the depth of a structure in relationship to the surface of the body; both are NOT DIRECTLY related to either an inner OR an outer side of a wall of a hollow organ.

   DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

5. From the following list of anatomic terms, select which terms are related to a structure being either on the same side of the body OR on the opposite side of the body. (Select all that apply.)
   a. Medial
   b. Lateral
   c. Ipsilateral
   d. Contralateral

   ANS: C, D

   Feedback
   Correct Ipsilateral is on the same side of the body, and contralateral is on the opposite side of the body; both are related to a structure being either on the same side of the body OR on the opposite side of the body.
   Incorrect Medial is closer to the median plane, and lateral is farther away from the median plane; both are NOT related to a structure being either on the same side of the body OR on the opposite side of the body.

   DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

6. Which of the following statements listed are CORRECT concerning the body in anatomic position? (Select all that apply.)
   a. The body can be standing erect.
   b. The patient’s head and neck when sitting upright in a dental chair.
   c. The arms are at the sides with the palms directed forward.
   d. The toes directed forward and the eyes looking forward.

   ANS: A, B, C, D

   In anatomic position, the body can be standing erect. The arms are at the sides with the palms and toes directed forward and the eyes looking forward. This position is assumed with respect to the position of the patient’s head and neck when sitting upright in a dental chair.

   DIF: Comprehension REF: p. 2 OBJ: 2
   TOP: CDA: General Chairside, I. B. Preliminary Physical Examination
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.0 Assessing Patient Characteristics

7. Which of the following definitions of anatomic terms listed are CORRECT? (Select all that apply.)
   a. An area that faces away from the head and toward from the feet is its superior part.
   b. The ventral part is directed toward the posterior.
   c. An area closer to the median plane is considered to be proximal.
   d. An area closer to the median plane of the body or structure is considered medial.

   ANS: C, D

   Feedback
   Correct An area closer to the median plane is considered to be proximal. An area closer to the median plane of the body or structure is considered medial.
   Incorrect An area that faces away from the head and toward toward the feet is its inferior part and NOT its superior part that faces toward the head and away from the feet. The dorsal part is directed toward the posterior and NOT toward the anterior like the ventral part.

   DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy
MATCHING

From the following list of anatomic terms, match those terms with their CORRECT definitions.
a. Area that is farther away from the median plane of the body or structure.
b. Area that is closer to the median plane of the body or structure.
c. Structure on the opposite side of the body.
d. Structure on the same side of the body.

1. Medial
2. Lateral
3. Ipsilateral
4. Contralateral

1. ANS: B DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

2. ANS: A DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

3. ANS: D DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

4. ANS: C DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

From the following list of anatomic terms, match those terms with their CORRECT alternative terms.
a. Coronal plane
b. Midsagittal plane
c. Horizontal section
d. Coronal section

5. Median plane
6. Frontal plane
7. Transverse section
8. Frontal section

5. ANS: B DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

6. ANS: A DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

7. ANS: C DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

8. ANS: D DIF: Recall REF: p. 3 OBJ: 1
   TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
   MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy

OTHER

1. Place the following in the CORRECT order suggested when studying diagrams or associated photographs of anatomic structures, especially those of dissections.
a. Note any familiar structures.
b. Note any overall descriptions.
c. Look to areas highlighted.

ANS: B, A, C

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<th>Feedback</th>
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<td><strong>Correct Order</strong></td>
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| **Incorrect** | This process in the correct order will help overall in the study of the head and neck. |

DIF: Application REF: p. 3 OBJ: 2
TOP: CDA: General Chairside, I. A. Demonstrate understanding of basic oral and dental anatomy, physiology, and development
MSC: NBDHE, Scientific Basis for Dental Hygiene Practice, 1.1 Anatomy