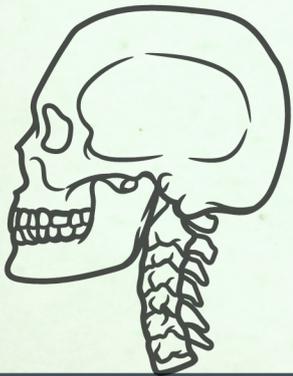


QUIZ TIME

Anatomy head & neck

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Lec: 18



Q1 During central venous catheterization via the subclavian route, which structure lies most anterior and inferior to the subclavian artery and is therefore at greatest risk of accidental puncture?

- A. Cervical pleura
- B. Phrenic nerve
- C. Subclavian vein
- D. Vagus nerve
- E. Thoracic duct

✓ Answer: C

Q2 Which muscle divides the subclavian artery into three anatomical parts and serves as the key landmark for its branching pattern?

- A. Sternocleidomastoid
- B. Scalenus medius
- C. Scalenus anterior
- D. Omohyoid
- E. Longus colli

✓ Answer: C

Q3 A branch that enters the foramen transversarium of the 6th cervical vertebra arises from which part of the subclavian artery?

- A. Third part
- B. Second part
- C. Costocervical trunk
- D. First part
- E. Thyrocervical trunk

✓ Answer: D

Q4 Which artery is a branch of the thyrocervical trunk and supplies the inferior pole of the thyroid gland?

- A. Superior thyroid artery
- B. Inferior thyroid artery
- C. Thyroid ima artery
- D. Ascending cervical artery
- E. Transverse cervical artery

✓ Answer: B

Q5 A patient presents with inability to elevate the first rib during forced inspiration. Which additional deficit is most likely present?

- A. Loss of shoulder abduction
- B. Weak neck flexion
- C. Loss of diaphragm movement
- D. Impaired tongue protrusion
- E. Hoarseness

✓ Answer: B (Scalenus anterior: elevates 1st rib + flexes neck)

Q6 Which feature best explains why the third part of the subclavian artery is vulnerable to compression?

- A.** It lies medial to scalenus anterior
- B.** It has multiple branches
- C.** It forms a groove on the first rib
- D.** It lies posterior to cervical pleura
- E.** It is enclosed within carotid sheath

Answer: C

Q7 The isthmus of the thyroid gland most commonly overlies which tracheal rings?

- A.** First and second
- B.** Second and third
- C.** Third and fourth
- D.** Fourth and fifth
- E.** Fifth and sixth

Answer: B

Q8 Which artery, when present, ascends on the anterior surface of the trachea and mainly supplies the thyroid isthmus?

- A.** Inferior thyroid artery
- B.** Superior thyroid artery
- C.** Thyroid ima artery
- D.** Internal mammary artery
- E.** Ascending cervical artery

Answer: C

Q9 Venous drainage from the inferior pole of the thyroid gland primarily enters which vessels?

- A.** Internal jugular veins
- B.** Subclavian veins
- C.** External jugular veins
- D.** Right and left brachiocephalic veins
- E.** Azygos vein

Answer: D

Q10 Lymph from the thyroid gland ultimately drains into which lymph node group before entering the venous system?

- A.** Prelaryngeal
- B.** Paratracheal
- C.** Pretracheal
- D.** Deep cervical nodes
- E.** Supraclavicular nodes

Answer: D