Lab 9 Dissection Steps:

- Identify muscles of the **Iliocostalis system** (2 parts: *lumborum* and *thoracis*)
  - Transect and reflect the thoracolumbar fascia; remove excess fascia and fat to expose the underlying muscles.
  - Identify *iliocostalis lumborum m.* (fused to *longissimus lumborum mm.*)
  - Identify *iliocostalis thoracis m.*

- Identify muscles of the **Longissimus system** (3 parts: *thoracis et lumborum*, *cervicis*, and *capitis*)
  - Identify *longissimus thoracis et lumborum*, *longissimus cervicis*, and *longissimus capitis*

- Identify muscles of the **Transversospinalis system** (2 major parts: *spleius* and *semispinalis capitis*)
  - Identify the *spleius m.*
    - Transect spleius 2cm caudal to its insertion and reflect the main part of the muscle dorsally
  - Identify the *semispinalis capitis m.* and differentiate its 2 parts.
    - Identify *biventer cervicis m.*
    - Identify *complexus m.*
    - In the dog, separate these muscles to view the nuchal ligament (no nuchal ligament in the cat)

- Incise the skin on the RIGHT side of cadaver and reflect it dorsally (similar to what was done on the left side).

- Use **blunt dissection** (spreading technique with small scissors works best) to identify the remaining structures on the RIGHT side of the cadaver for this lab.

  - Identify the **second cervical spinal nerve (ventral branch)**
    - Identify the **great auricular n.** and trace it toward the base of the ear
    - Attempt to identify the **transverse cervical n.**

  - Identify the **external jugular vein**

  - Identify the **mandibular lymph nodes**

  - Transect the external jugular at its approximate middle if not already cut

  - Identify the borders of the sternocephalicus m. on the right side and transect it 2-3cm from its origin; reflect it craniodorsally.

  - Identify the cleidocephalicus m. and transect it 1cm cranial to the clavicular intersection; reflect the parts toward their insertions.

- Identify the **superficial cervical lymph nodes**
- Dissect between the trapezius and the cleidocephalicus and identify the accessory (eleventh) cranial nerve.
- Dissect underneath the omotransversarius m. and attempt to identify the ventral branches of the third, fourth and fifth cervical spinal nerves.
- Identify the vagosympathetic nerve trunk.
- Attempt to identify the medial retropharyngeal lymph node.