Learning Objectives

• Identify the oro-, naso-, and laryngopharynx.
• Identify the microscopic and macroscopic features of the respiratory system described in lab handouts and demonstrated on the models and fresh pig pluck.
• Review the features of the respiratory system visible in x-rays (cartilages, sinuses, etc.)
ADAM Assignment  (p. 147)

- Study dissectible structures in both the anterior and medial views.
- Atlas Anatomy has some good figures of laryngeal cartilages.
- The larynx model is now available in Object2VR.

Respiratory Histology  
(p. 148)

Name the epithelium that lines most of the bronchial tree (shown here in a bronchus and the trachea).
Bell Jar Demo

Review X-rays: Paranasal sinuses

Which sinuses are visible?
Review X-rays: Lateral neck

Identify the regions of the pharynx, hyoid bone, laryngeal cartilages, vocal folds, and trachea.

Chest CT

Computerized Tomography (CT) can produce a 3D image from a series of 2D X-rays. Because this is a single “slice”, not all structures in the chest are visible (e.g. the heart). What respiratory structures are visible?
Pig Pluck Dissection

- Tuesday: bring dissection guide on p. 149
- Compare fresh specimen with models of the larynx and pluck
- The pluck will be on the exam
- Label the diagram on p. 151

Function of Laryngeal Cartilages

Click here for a video demonstration of laryngeal cartilages during phonation.
Respiratory Check-off

The following models are used for the Respiratory check-off:

• Torso (manikin)
• Larynx
• Pluck

Captain, did you say check-off, or Chekov?

Next Week  (and beyond...)

• Begin Urinary & Reproductive Systems
  — Urinary and Reproductive Systems are paired for the final check-off
• Kidney dissection on Tuesday
  (lab meets Tuesday only)
• All check-offs done by the end of Monday, 11/29
• Lab closes Wednesday 12/1 at _____
• Final Lab Practical Exam on Thursday, 12/2