!!!CAUTION!!!

• This power point presentation is intended to be used as an “add on” exercise to your standard lab experience. It is not intended to be used in lieu of the “hands on” lab time. In lab you will be tested on the actual lab specimens and not the pictures contained within this video presentation.
How to use this material

• Each specimen is illustrated in a two slide sequence. The first slide contains a fully labeled specimen. The second slide is missing the labels and asks you to supply them like a test circumstance. You can toggle back and forth between the two slides until you have mastered all the items.

• This presentation is patterned after material within your lab manual by Darrell Davies. Be sure to check with your instructor for any alterations specific to your course.

• This presentation is designed to better prepare you for lab quizzes, or Part I of the two part testing system in each lab unit. Other video material (A.D.A.M. and Histology) is accessed elsewhere. Those materials are for lab practicals, Part II of testing in each lab unit.
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Unit III
lab exercises # 11-13

Cardiovascular
Lymphatic
Respiratory
Human Heart

Lab exercises #11 & 12
Life sized human heart

Our enlarged model in lab
Inferior view
Inferior vena cava
Aorta
Major venous sinus
Apex
Inferior view
Base of heart

Anterior view

Rt. Brachiocephalic v.
Lt. Brachiocephalic v.
Superior vena cava
Rt. Internal jugular
Lt. Internal jugular
Rt. Subclavian v.
Lt. Subclavian v.
? view

? of heart
Base of heart
Anterior view of arteries

Rt. Common carotid
Rt. Subclavian a.
Brachiocephalic a.
Aorta
Anterior view arteries

Lt. common carotid
Lt. subclavian a.
Lt. pulmonary a.
Pulmonary trunk

Pulmonary trunk
Anterior view
dissected heart

Rt. atrium
Lt. atrium

Tricuspid valve
Mitral valve

Rt. ventricle
Lt. ventricle

Interventricular septum
(hypertrophied)

Apex

Hypertrophied wall
of Lt. ventricle
dissected heart
Pulmonary semilunar valve
Tricuspid valve
Mitral / bicuspid valve
Hypertrophied Interventricular septum
Lt.at.
Rt.at.
Interventricular septum
Mitral / bicuspid valve
Pulmonary semilunar valve
Respiratory Tree

Lab exercise #13
Respiratory tree
rt. oblique view
Carina

20 Tertiary bronchi (multicolored tubes)

Lt. primary / main stem bronchus

Rt. Primary / main stem bronchus

3 rt. Side secondary / lobar bronchi

2 lt. side secondary / lobar bronchi

Trachea
Larynx midsagittal section

- True vocal fold (vocal chord)
- False vocal fold
- Epiglottis
- Trachea
- Cricoid cart.
- Thyrohyoid ligament
- Cricothyroid ligament
- Adam’s apple
- Larynx midsagittal section

(c.c.)
Larynx

Lab exercise #13
Larynx anterior view

- Thyroid cart.
- Cricoid cart.
- Epiglottis
- Hyoid bone
- Arytenoid carts.
- Adam’s apple
- Trachea
- Larynx anterior view
Larynx lt. lateral view

- Hyoid bone
- Epiglottis
- Thyroid cart.
- Cricoid cart.
- Adam’s apple
- Trachea
- Larynx lt. lateral view

ANTERIOR

POSTERIOR
Larynx superior view

- Epiglottis
- Hyoid bone
- True vocal folds / vocal chords
- Thyroid cart.
- Glottis
- Arytenoid carts.
Lungs

Lab exercise #13
? view

? multicolored lung (?) + (?)

? lung (?) + (?)
Lungs anterior view

20 multicolored lung segments (10 + 10)

5 lung lobes (3 + 2)

Upper lobe

Middle lobe

Lower lobe

Rt. lung

Lt. lung

Apices

M E D I A S T I N U M
Sagittal Section Head

Lab exercise #13
Head midsagittal section

Superior concha
Middle concha
Inferior concha
Frontal sinus
Hypophyseal fossa of sphenoid
Crista gali of ethmoid
Sphenoid sinus
Vestibule
Eustachian tube origin
Uvula
Hard palate (maxilla + palatine bones)
Head midsagittal section
Palatine tonsil
Pharyngeal tonsil (adenoid)
Lingual tonsil
Uvula
Eustachian tube origin
Inferior concha
Middle concha
Epiglottis
Palatine tonsil
Lingual tonsil