Superior and Posterior Mediastinum

- **Surface anatomy and heart sounds**
  - Dry lecture
  - Gray’s 169, 203-205

- **Mediastinum**
  - Gray’s pp. 181-199
  - Gray’s dissector pp. 102-112

- **Review**
  - Gray’s dissector pp. 44-45
  - Gray’s dissector pp. 113-114

Review of the Subdivisions of the Mediastinum

Syllabus p. 50
Superior Mediastinum: Thymus

Arch of the Aorta

Syllabus p. 51
Arch of the Aorta

Branches of the Aortic Arch

Aortic Angiogram
Brachiocephalic Veins and Superior Vena Cava

*key feature – left brachiocephalic vein is twice as long as the right brachiocephalic vein*
A central venous line is required to administer large amounts of fluid to a patient. The line is introduced in the left internal jugular vein and the tip is subsequently passed to the right atrium. Identify the correct course of the venous line.

A. Left internal jugular v., left subclavian v., left brachiocephalic v., superior vena cava, right atrium
B. Left internal jugular v., left subclavian v., superior vena cava, right atrium
C. Left internal jugular v., left brachiocephalic v., superior vena cava, right atrium
D. Left internal jugular v., left axillary v., left subclavian v., left brachiocephalic v., superior vena cava, right atrium
E. Left internal jugular v., superior vena cava, right atrium

A surgeon needs to close a patent ductus arteriosus. The surgeon needs to avoid the ________ nerves that course around the patent ductus arteriosus.

A. right vagus and recurrent laryngeal
B. right phrenic and recurrent laryngeal
C. left vagus and phrenic
D. left vagus and recurrent laryngeal
E. left phrenic and recurrent laryngeal
Nerves of the Superior Mediastinum

Syllabus p. 52

Thoracic Contents; Anterior View

Trachea and Esophagus

Syllabus p. 108
Nerves of the Posterior Mediastinum

Vasculature of the Posterior Mediastinum
Thoracic Duct and Azygos System of Veins

Posterior Mediastinum (Thoracic Aorta)
During surgery in the left abdomen the lymphatics that drain to the thoracic duct are accidentally damaged. The thoracic duct drains into the ____________

A. junction of the right internal jugular and subclavian vv.
B. left brachiocephalic v.
C. right brachiocephalic v.
D. junction of the left internal jugular vein and subclavian vv.
E. junction of the aortic arch and left common carotid a.

Putting It All Together
To The Students

You will remember a little of what you hear, some of what you read, considerably more of what you see, but almost all of what you understand.
Screen 2

Review of the Subdivisions of the Mediastinum
Arch of the Aorta

Aortic Angiogram
Brachiocephalic Veins and Superior Vena Cava

Left Vagus Nerve
Right Vagus Nerve

Trachea and Esophagus
Thoracic Duct and Azygos System of Veins

Posterior Mediastinum (Thoracic Aorta)
Putting It All Together

Putting It All Together