Surface Anatomy: Clinical Correlations

-Gray’s pp. 200-208

Lines of the Thoracic Wall

- Midsternal line
- Sternal angle
- Infra-sternal angle
- Mid-clavicular line
- Jugular notch
- Posterior axillary line
- Mid-axillary line
- Anterior axillary line
- Mid-vertebral line
- Scapular line
Clinical Significance of Lines of the Thoracic Wall

Visualizing the Pleural Cavities and Lungs
A patient has pneumonia in the inferior lobe of the left lung. In order to hear lung sounds in this region, you would place a stethoscope approximately at the ________.

A. 7th intercostal space just to the left of the mid-sternal line.
B. 2nd intercostal space just to the left of the mid-vertebral line
C. 2nd intercostal space at the mid-axillary line
D. 7th intercostal space just to the left of the mid-vertebral line
E. 2nd intercostal space just left to the mid-sternal line.
Where to Listen for Lung Sounds

Surface Anatomy in Women
The transverse thoracic plane is one of the most critical surface landmarks used by clinicians. This plane is formed by a line that crosses the _______ anteriorly and the _______ posteriorly.

A. Sternal angle, TIV/TV.
B. Xiphoid process, TVIII/TIX
C. Jugular notch, TI/TII
D. Sternal angle, TVIII/TIX
E. Xiphoid process, TIV/TV.
Visualizing Structures in the Superior Mediastinum

Visualizing the Margins of the Heart
Visualizing the Margins of the Heart

Heart Valve Sounds
You suspect that a patient has a problem with their aortic valve. In order to listen to the function of the aortic valve, you would place your stethoscope at the _______.

A. 2nd intercostal space just left of the sternum.
B. 1st intercostal space just left of the sternum
C. 2nd intercostal space just right of the sternum
D. 5th intercostal space just left of the sternum
E. 3rd intercostal space just left of the sternum.

Heart Valve Sounds
Heart Valve Sounds

SCREEN 2
Visualizing the Pleural Cavities and Lungs

Visualizing the Lungs (Lateral)
Where to Listen for Lung Sounds

Surface Anatomy in Men
TIV/V

Visualizing the Margins of the Heart

Third costal cartilage
Second intercostal space
Sixth costal cartilage
Fifth intercostal space
Middle clavicular line
Heart Valve Sounds
Heart Valve Sounds

Closure of mitral and tricuspid valves
Closure of aortic and pulmonary valves

Ventricular pressure
ECG
Heart sounds