



**HKU
Med**

LKS Faculty of Medicine
School of Biomedical Sciences
香港大學生物醫學學院

MBBS1 CPRS Anatomy Dissection Practical II

Pleural Cavity and Lungs

Anatomy Team
School of Biomedical
Sciences

Learning Outcomes

- Know the different sub-divisions of the pleura including their recesses
- Identify the lobes and fissures of the lungs
- Identify the structures of the hilum
- Identify the different impressions of the lungs
- Know the procedures involved in the removal of the lungs
- Identify the pericardiophrenic vessels, phrenic and vagus nerves

References

- Grant's Dissector, Tank PW
- Grant's Dissection Videos, Detton AJ
- Gray's Anatomy for students, Drake RL, Vogl W, Mitchell AWM

Instruction pages based on Grant's Dissector 16th ed

Dissection of Pleural Cavities

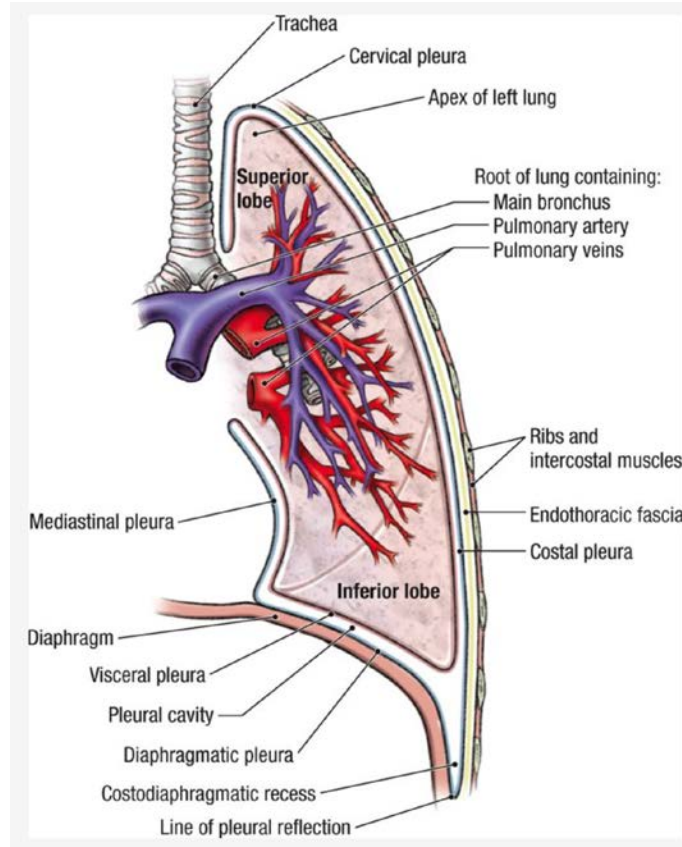
Pleural Cavities : follow the instruction P78-79

Structures to be identified

- Identify the subdivisions of parietal pleura
- Costodiaphragmatic and costomediastinal recesses
- Palpate the pulmonary ligament

Note: **do not disturb the mediastinal pleura, so that the important structures in the mediastinum can be preserved**

Dissection of Pleural Cavities



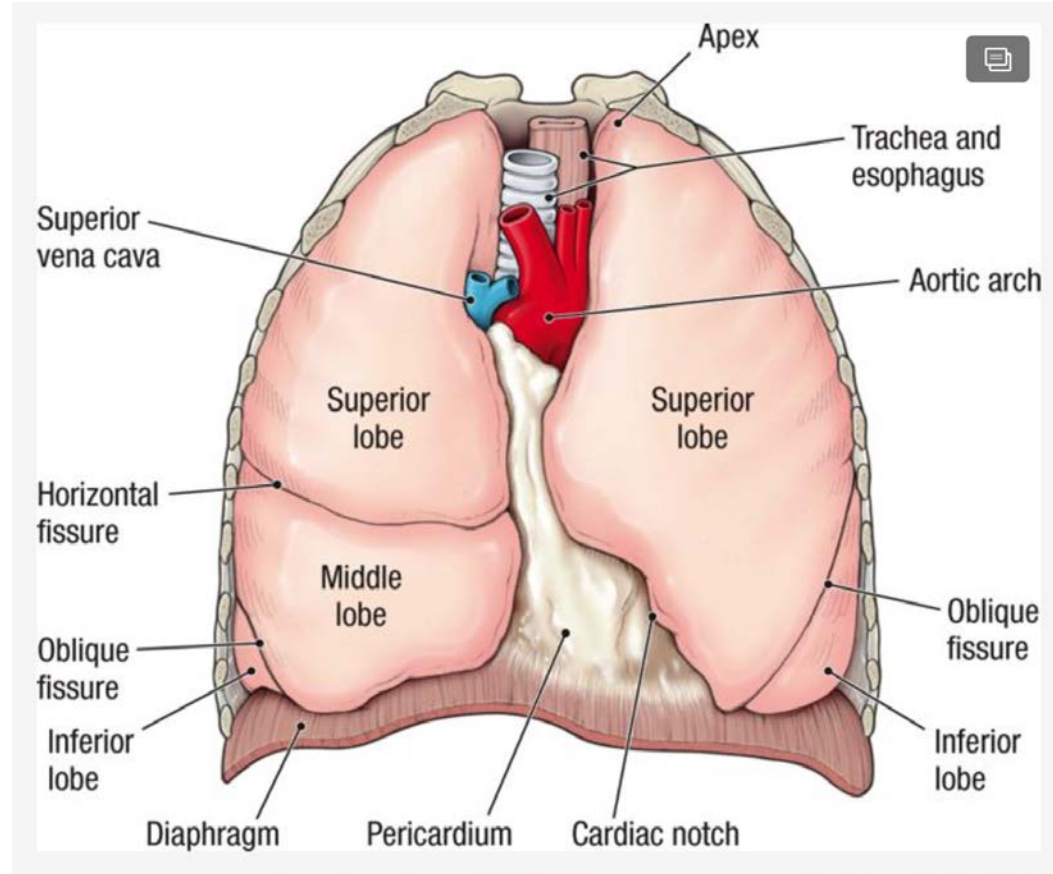
Dissection of Lung

Removal of the lung: follow the instruction P80-82

Structures to be identified

- Appreciate the surface anatomy of the lung and pleura
- Hilum: pulmonary A/V; bronchus; bronchial artery; lymph nodes; nerves
- Horizontal and oblique fissures; Pulmonary ligament
- Lobes/surfaces of the lungs

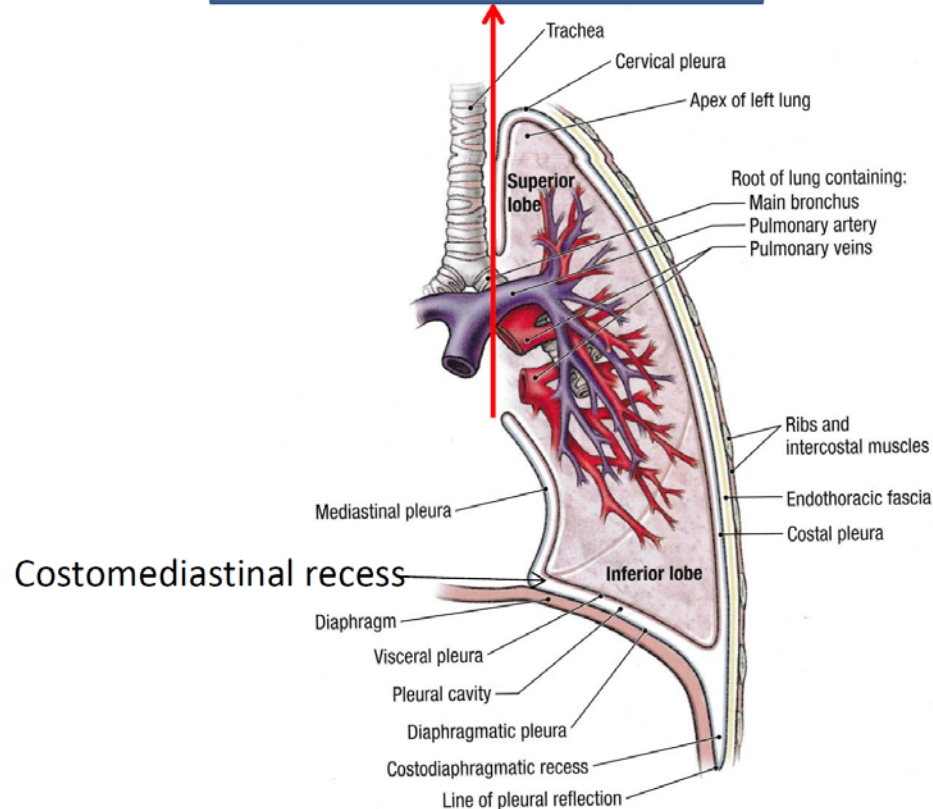
Dissection of Lung



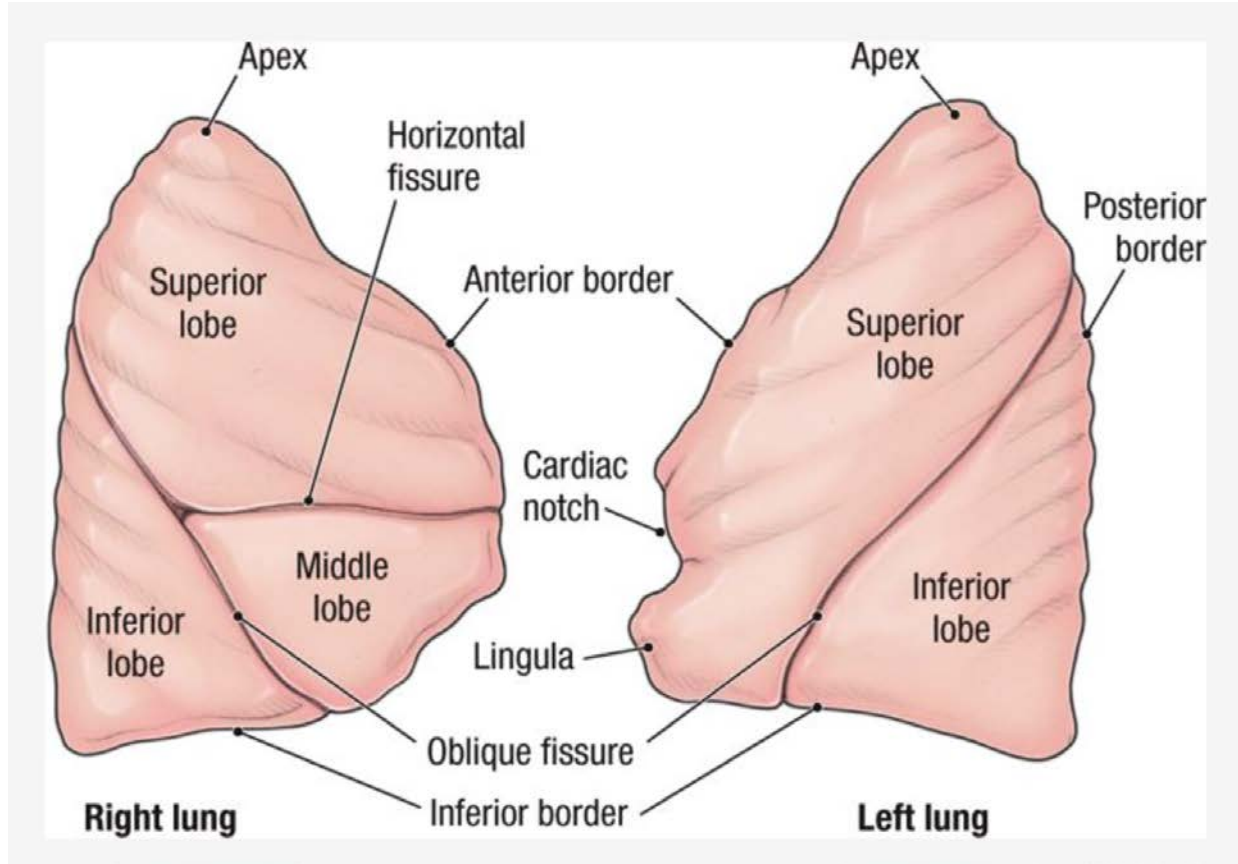
Dissection of Lung

Cut through the root of the lung

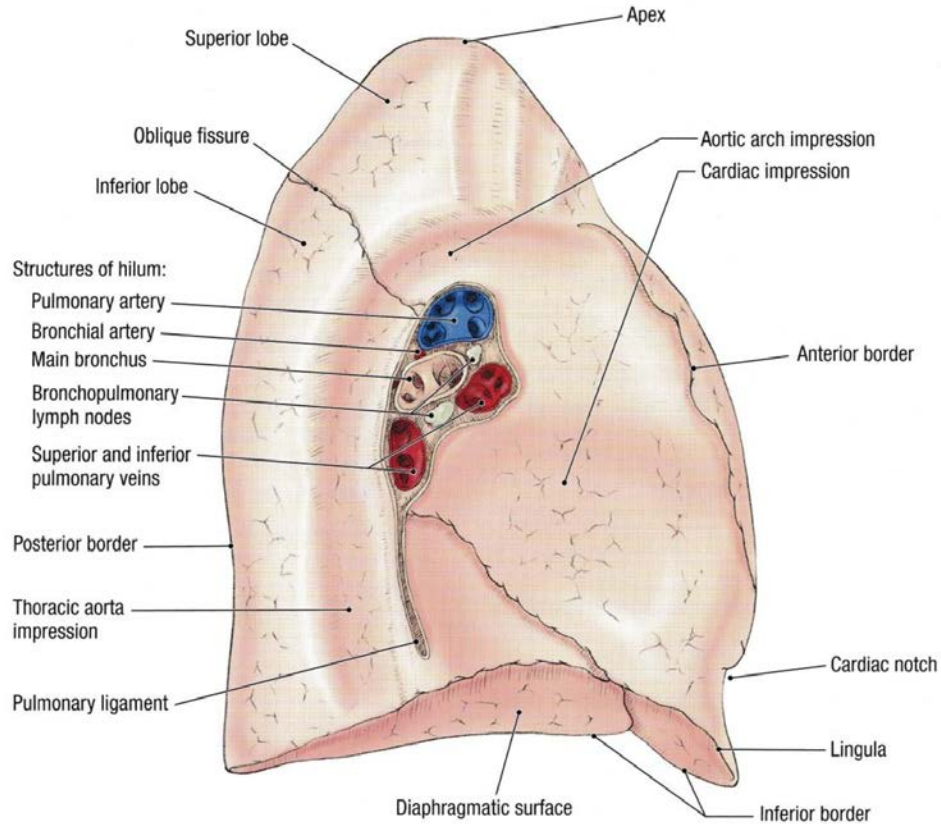
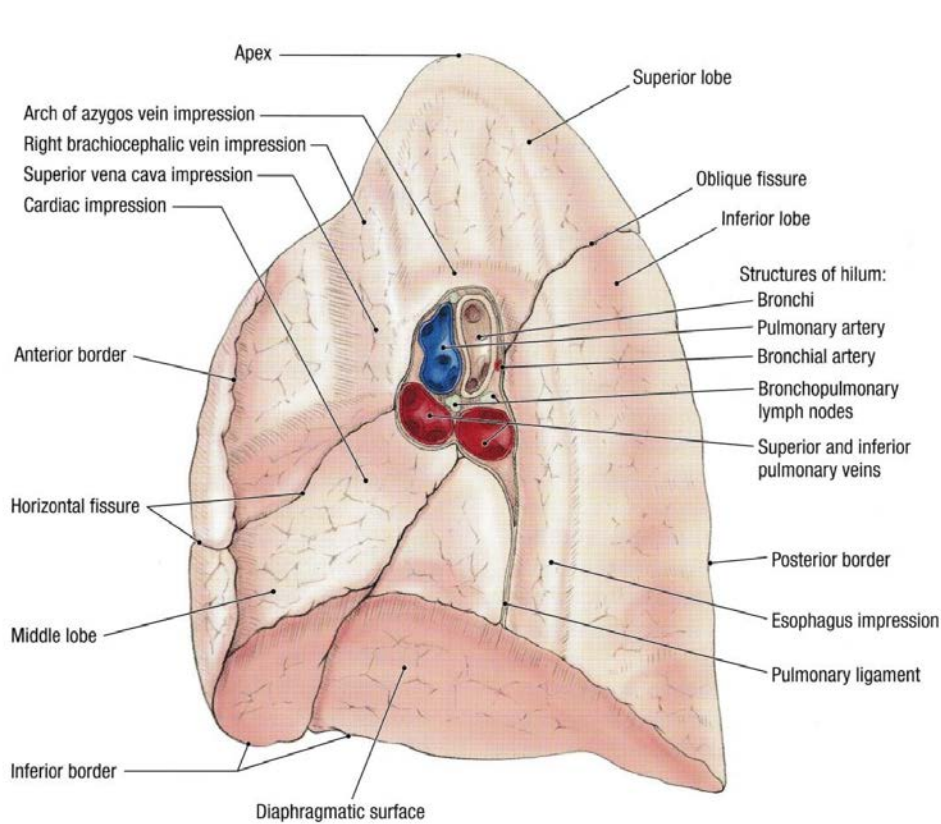
Caution:
Don't cut the
vagus and phrenic
nerves



Dissection of Lung



Dissection of Lung



Dissection of mediastinum part I

Mediastinum part I: follow the instruction P83-84

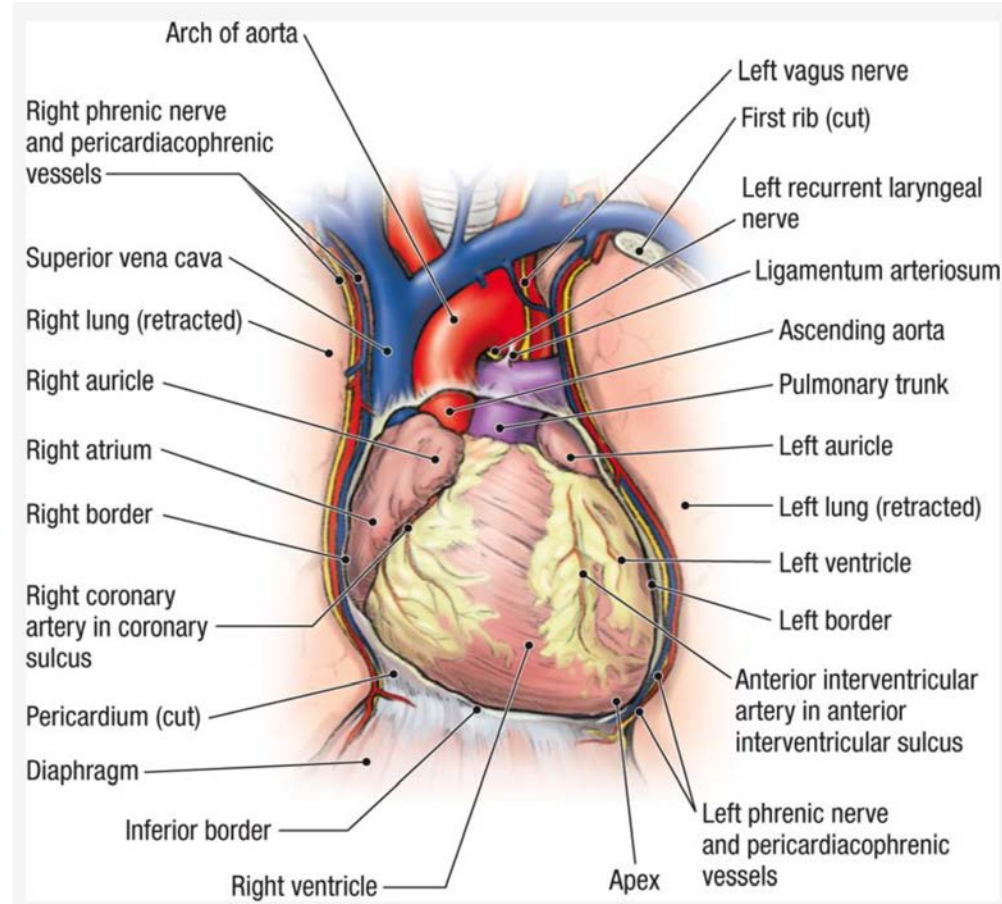
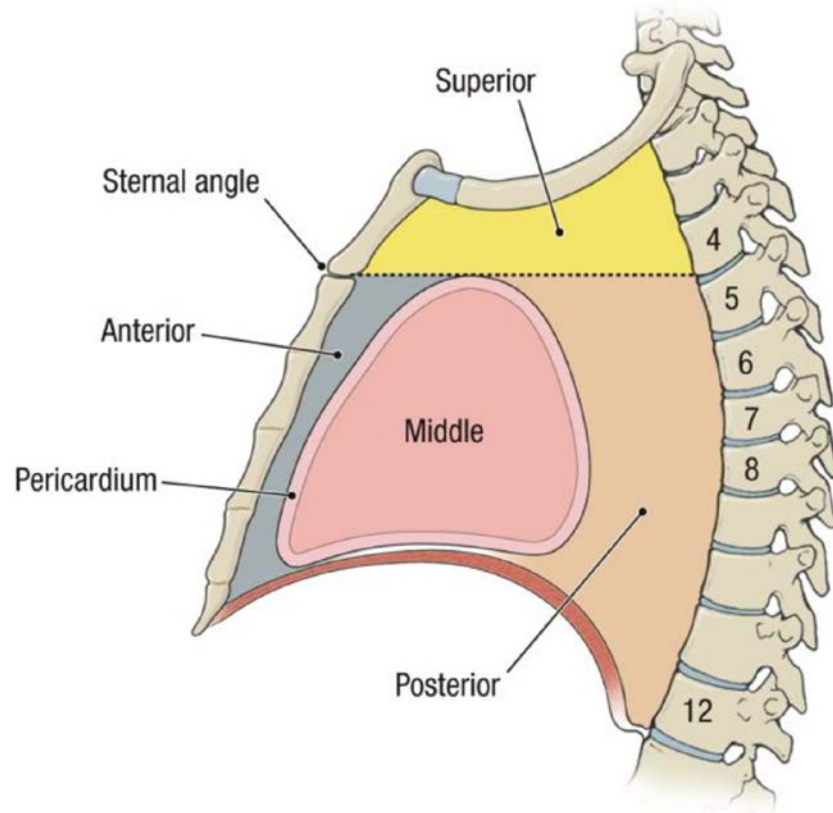
Structures to be identified

- Describe the divisions of the mediastinum
- Appreciate the surface anatomy of the mediastinum
- Identify the pericardiophrenic vessels, phrenic and vagus nerves. Appreciate their anatomical correlations

(For vagus nerve: P86 procedures 18-21)

Note: **pericardiophrenic vessels, phrenic and vagus nerves locate medial to the mediastinal pleura. Take caution when removing the mediastinal pleura**

Dissection of mediastinum part I



Check List

- Costal pleura, mediastinal parietal pleura, diaphragmatic parietal pleura, cervical pleura
- Costodiaphragmatic and costomediastinal recesses
- Three surfaces of the lung
- Hilum: pulmonary A/V; bronchus; bronchial artery; lymph nodes; nerves
- Lobes of the lung
- Horizontal and oblique fissures; Pulmonary ligament
- The pericardiophrenic vessels, phrenic and vagus nerves



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