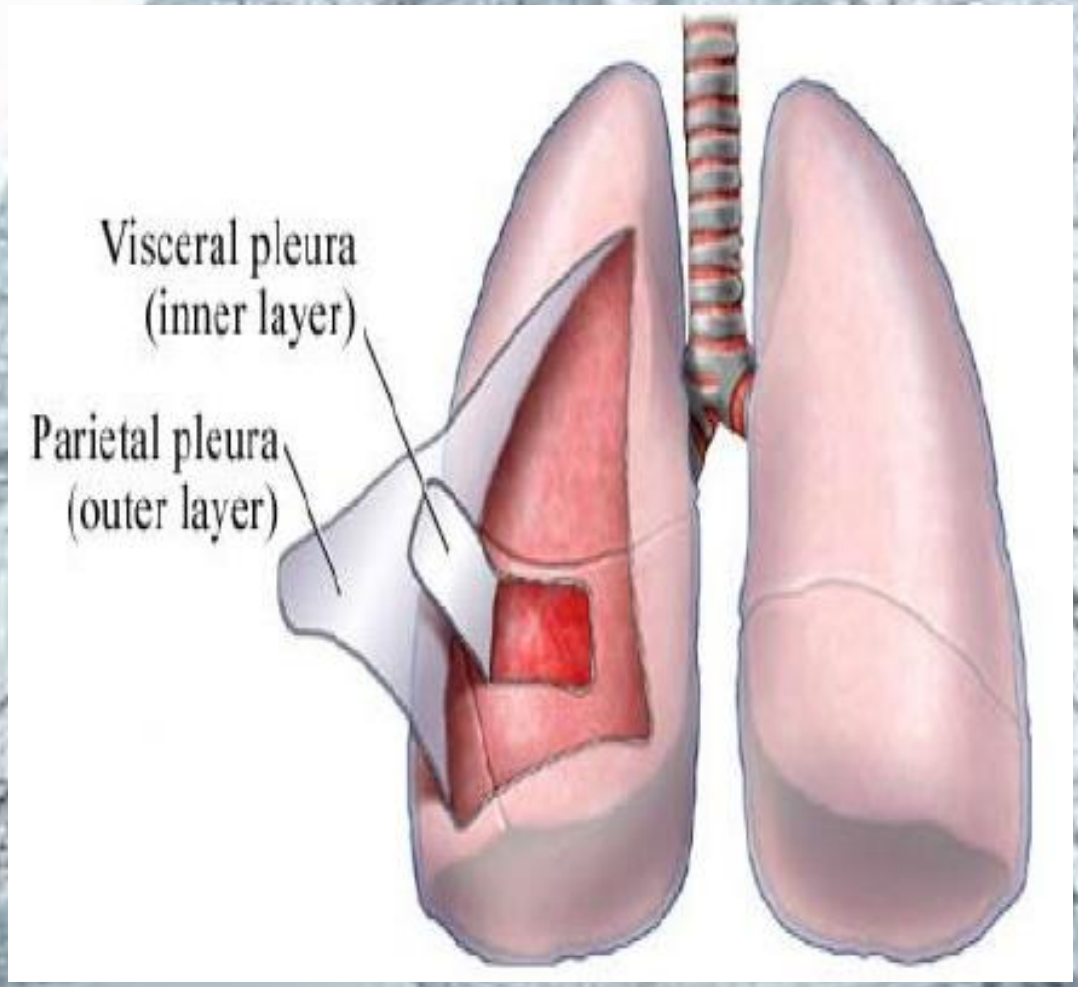
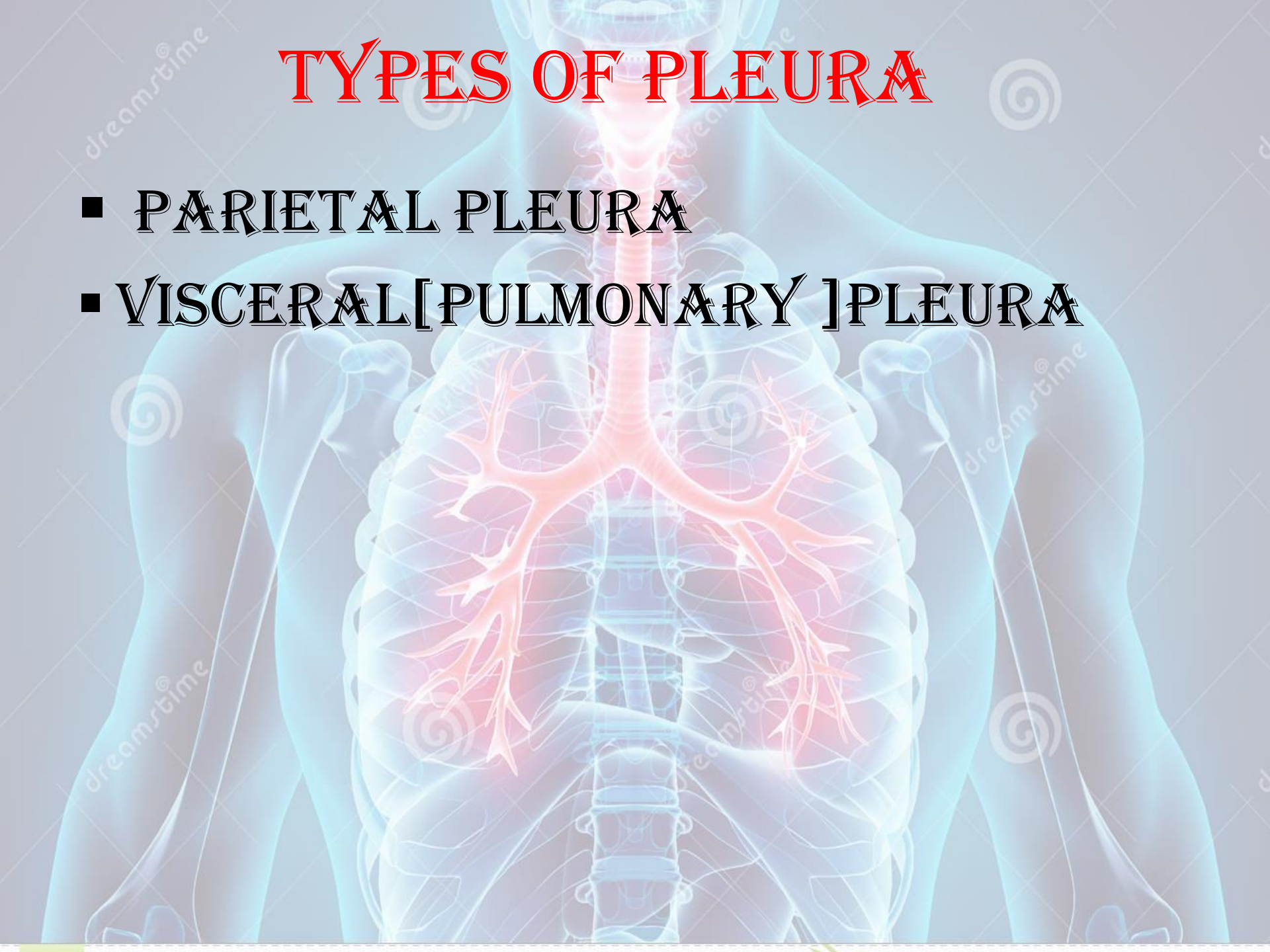
PLEURA

Pleura is a serous membrane Around each lung.



TYPES OF PLEURA

- PARIETAL PLEURA
- VISCERAL[PULMONARY]PLEURA



PARIETAL PLEURA

- IT LINES THE THORACIC WALL.
- COVERS THE INNER SURFACE OF RIB CAGE, MEDIASTINUM AND DIAPHRAGM.

TYPES :--

- CERVICAL PLEURA
- COSTAL PLEURA
- DIAPHRAGMATIC PLEURA
- MEDIASTINAL PLEURA

- **Costal part**- covers the internal surfaces of the thoracic wall (sternum, ribs, costal cartilages, intercostal muscles and membranes, and sides of thoracic vertebrae) and is separated from the wall by endothoracic fascia.
- **Mediastinal part-** covers the lateral aspects of the mediastinum .
- **Diaphragmatic part-** covers the superior or thoracic surface of the diaphragm on each side of the mediastinum.
- **Cervical pleura-** present in the root of the neck 2.5 cm superior to the level of the medial third of the clavicle and covers the apex of lungs.

PULMONARY PLEURA

- It completely covers the outer surfaces of the lungs
- Extends into the depths of the interlobar fissures

PLEURAL CAVITY

Between the visceral and parietal pleurae is a small space, the pleural cavity, which contains a small amount of lubricating fluid secreted by the membranes. This pleural fluid reduces friction between the membranes, allowing them to slide easily over one another during breathing.

PLEURAL CUFF

- The two layers, parietal and visceral, continuous with one another by means of a cuff of pleura.
- This cuff surrounds the structures entering and leaving the lung at the hilum of each lung.

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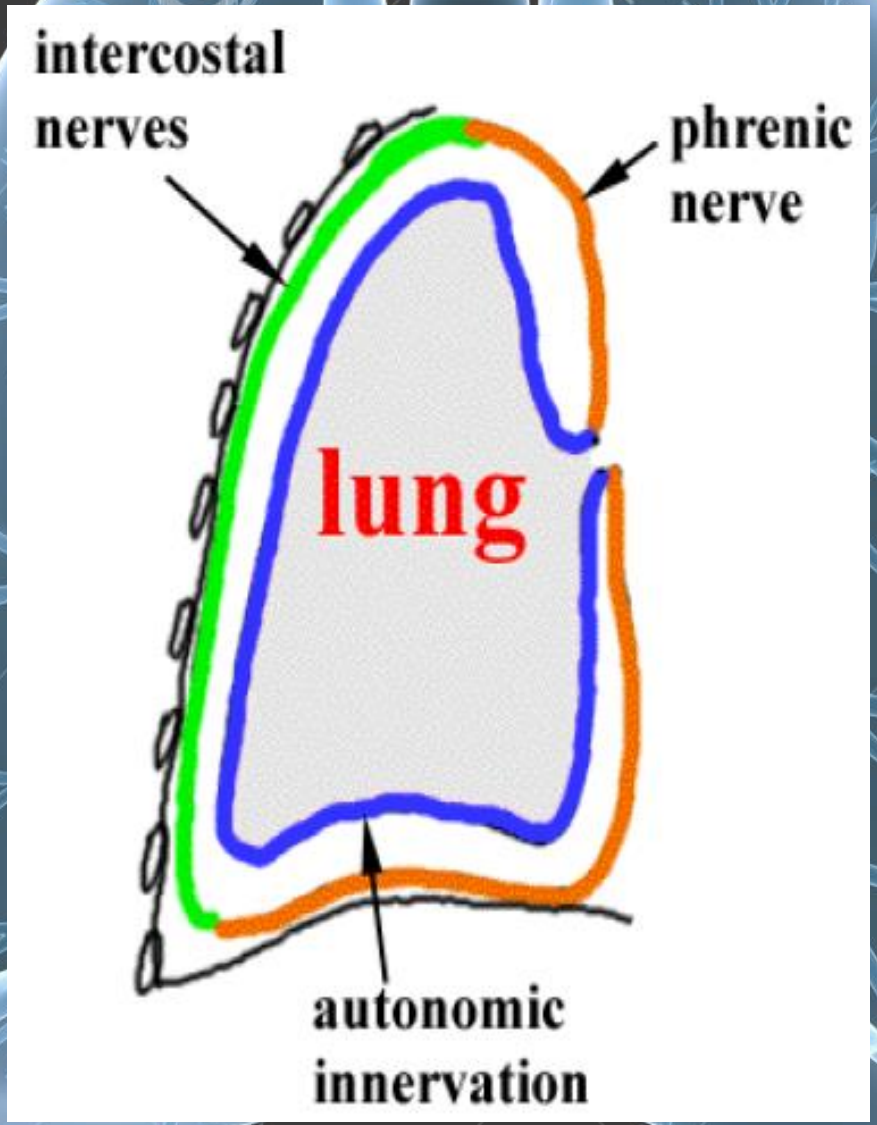
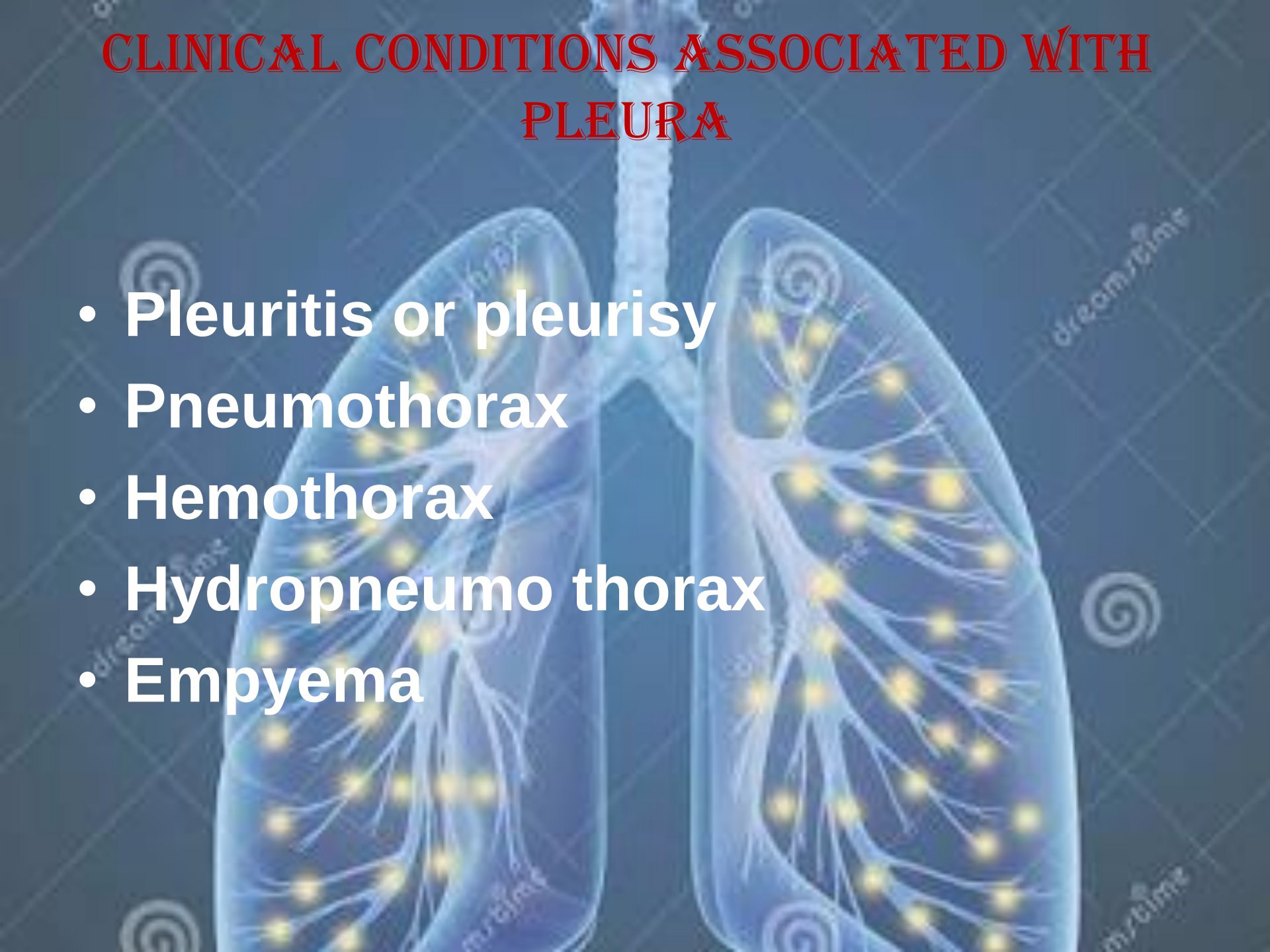
RECESSES OF PLEURA

- There are two folds or recesses of parietal pleura which acts as reserve space for the lung to expand during deep inspiration.
  - Costomediastinal recesses
  - Costodiaphragmatic recesses

NERVE SUPPLY OF PLEURA

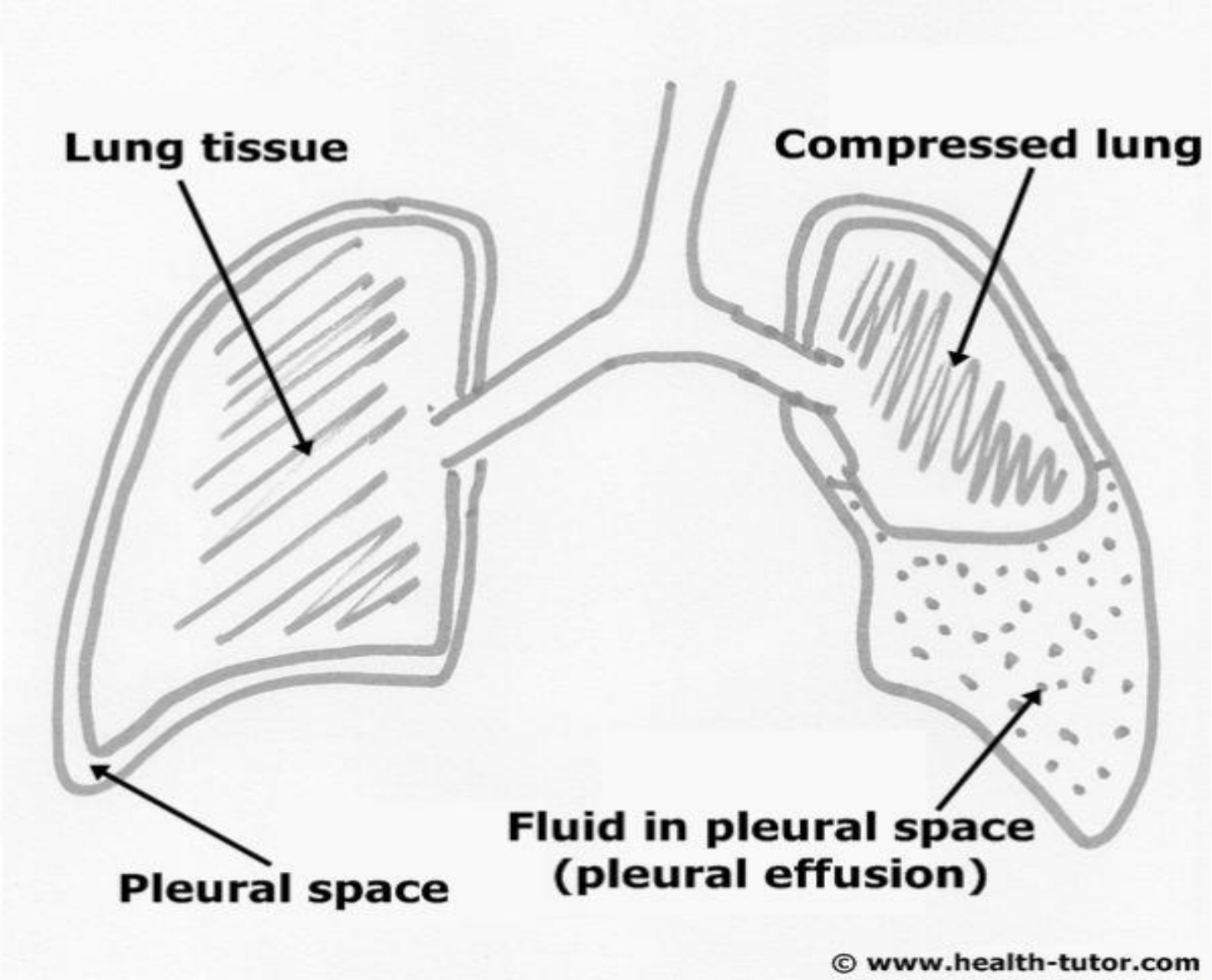


Clinical conditions associated with pleura



- Pleuritis or pleurisy
- Pneumothorax
- Hemothorax
- Hydropneumo thorax
- Empyema

PLURAL EFFUSION



IMPORTANCE OF PLEURA

- Minimize the friction.
- Negative pressure in the pleural cavity helps in the expansion of lung during respiration and prevents its collapse.