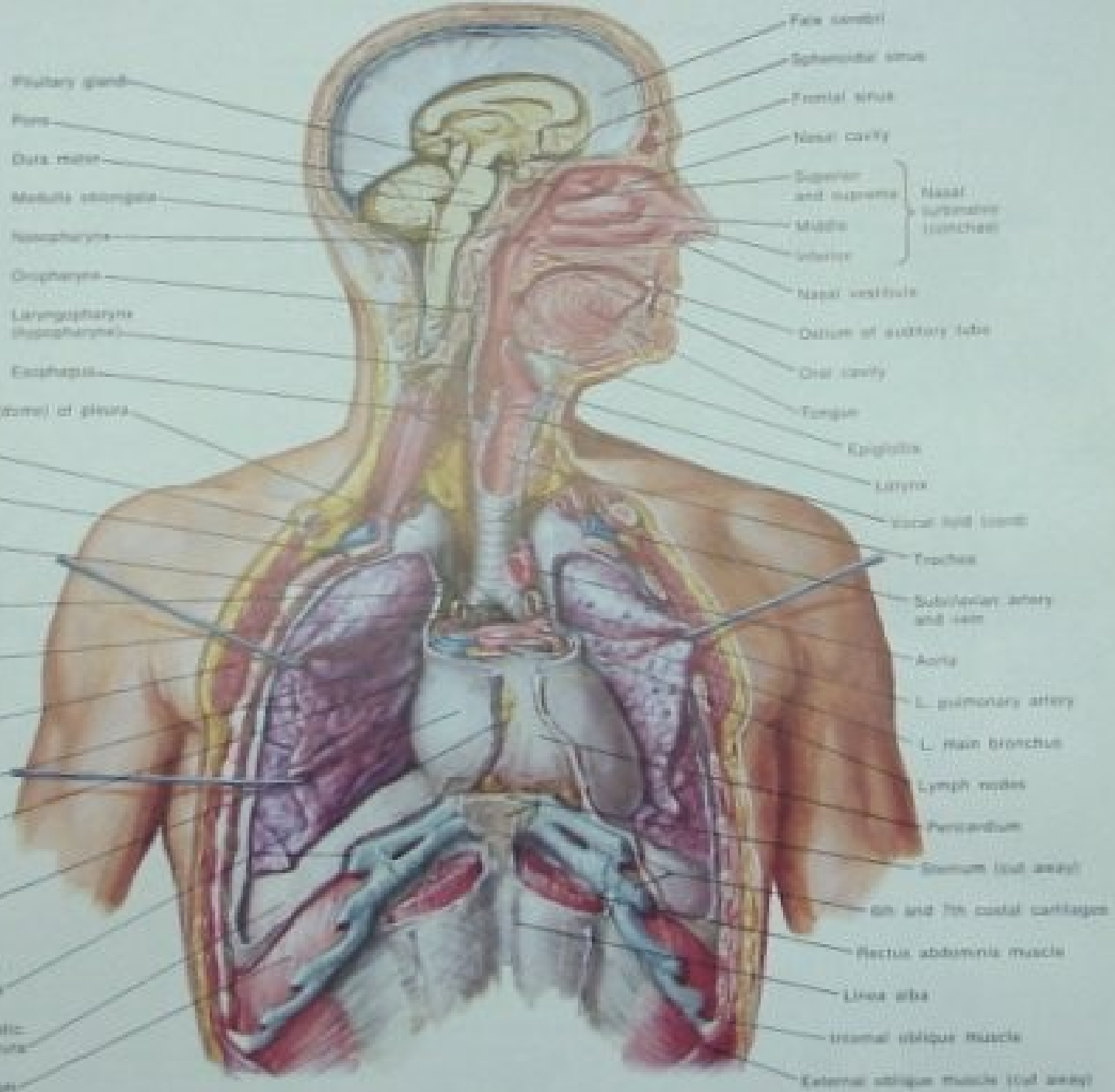




# TORAKS TOMOGRAFİSİ YORUMLAMA

Doç. Dr. İbrahim İKİZCELİ  
İ.Ü. Cerrahpaşa Tıp Fakültesi  
Acil Tıp Anabilim Dalı



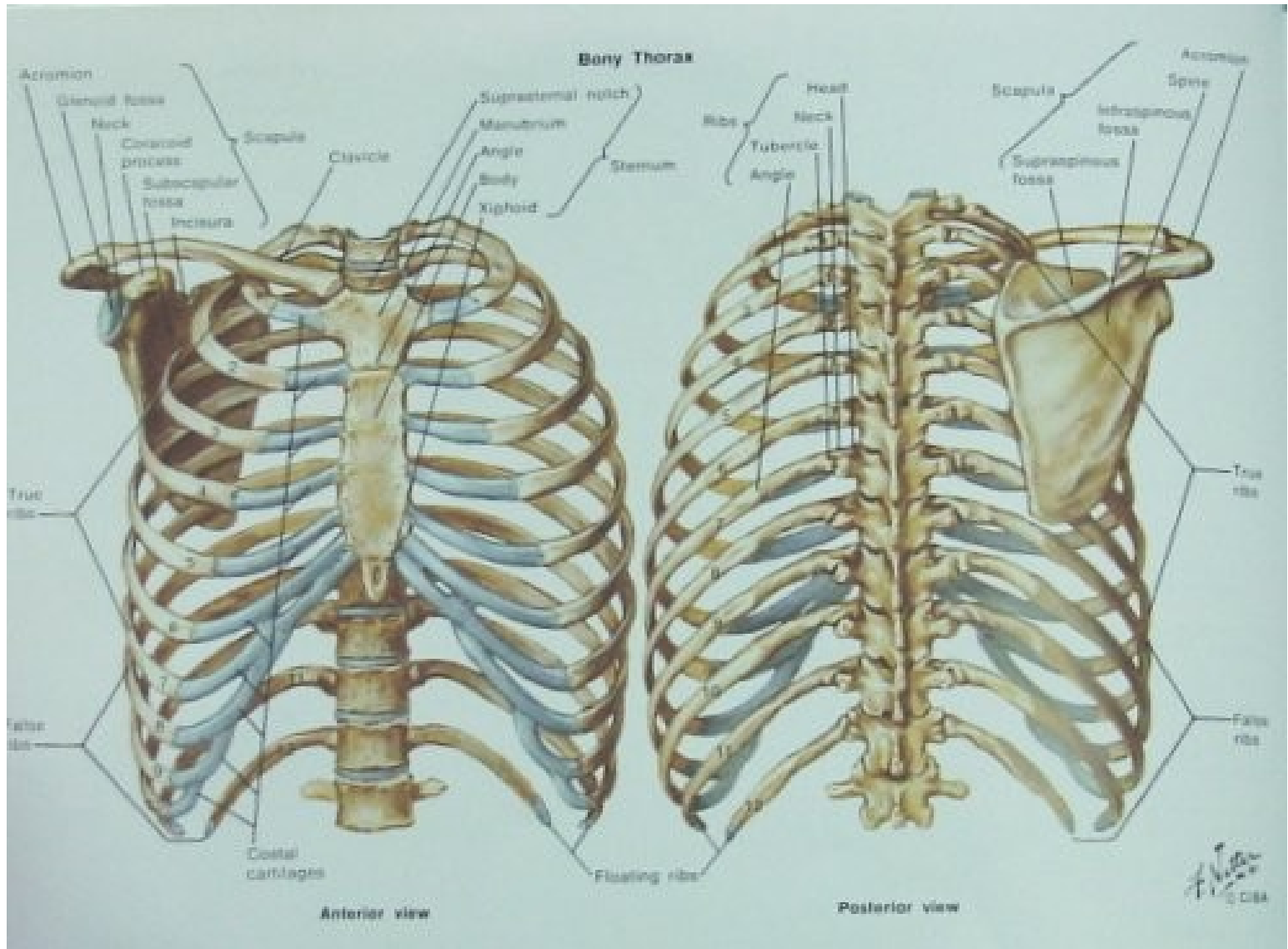
Parotid gland  
Pons  
Date matter  
Medulla oblongata  
Nasopharynx  
Oropharynx  
Laryngopharynx  
(Esopharynx)  
Esophagus

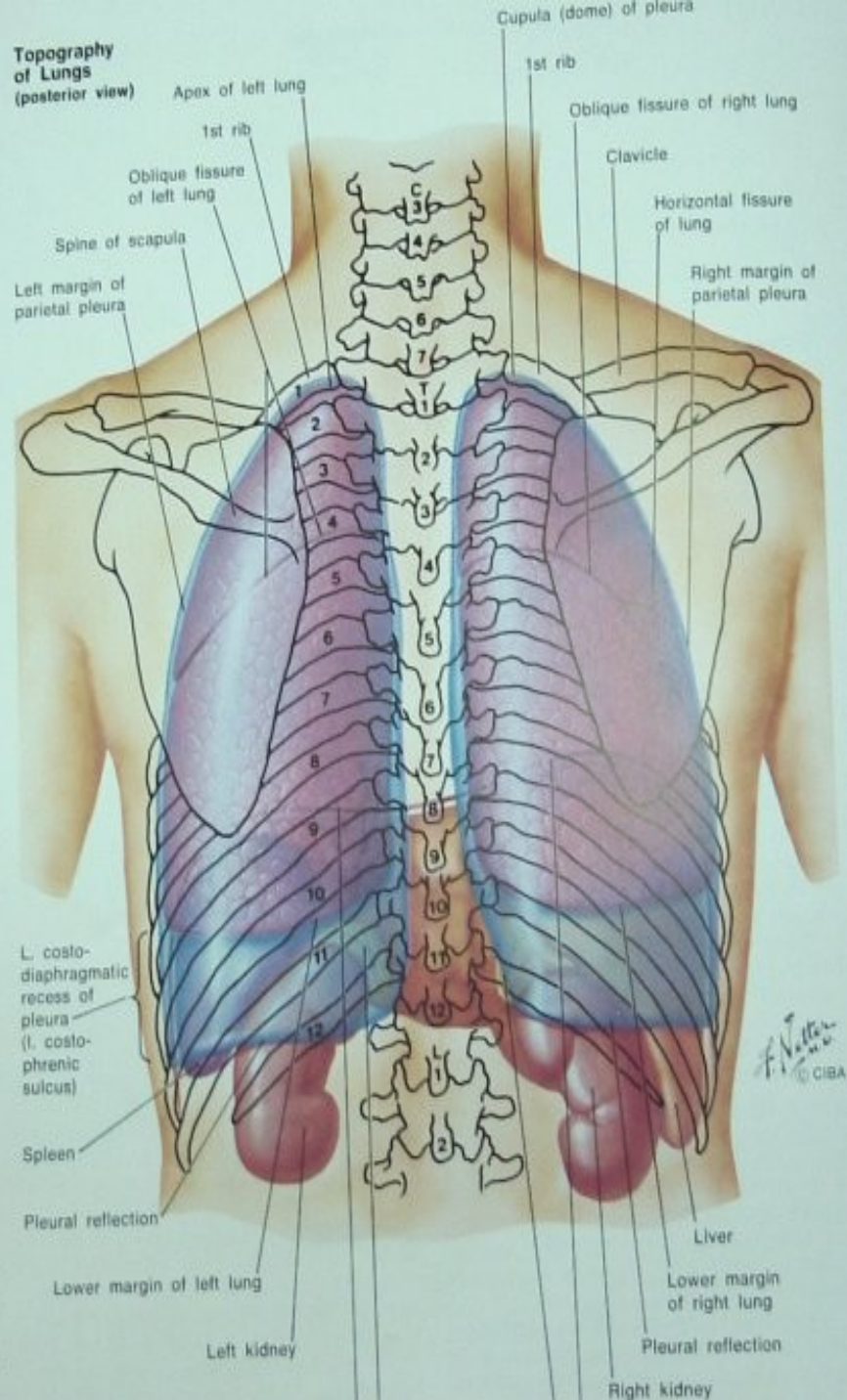
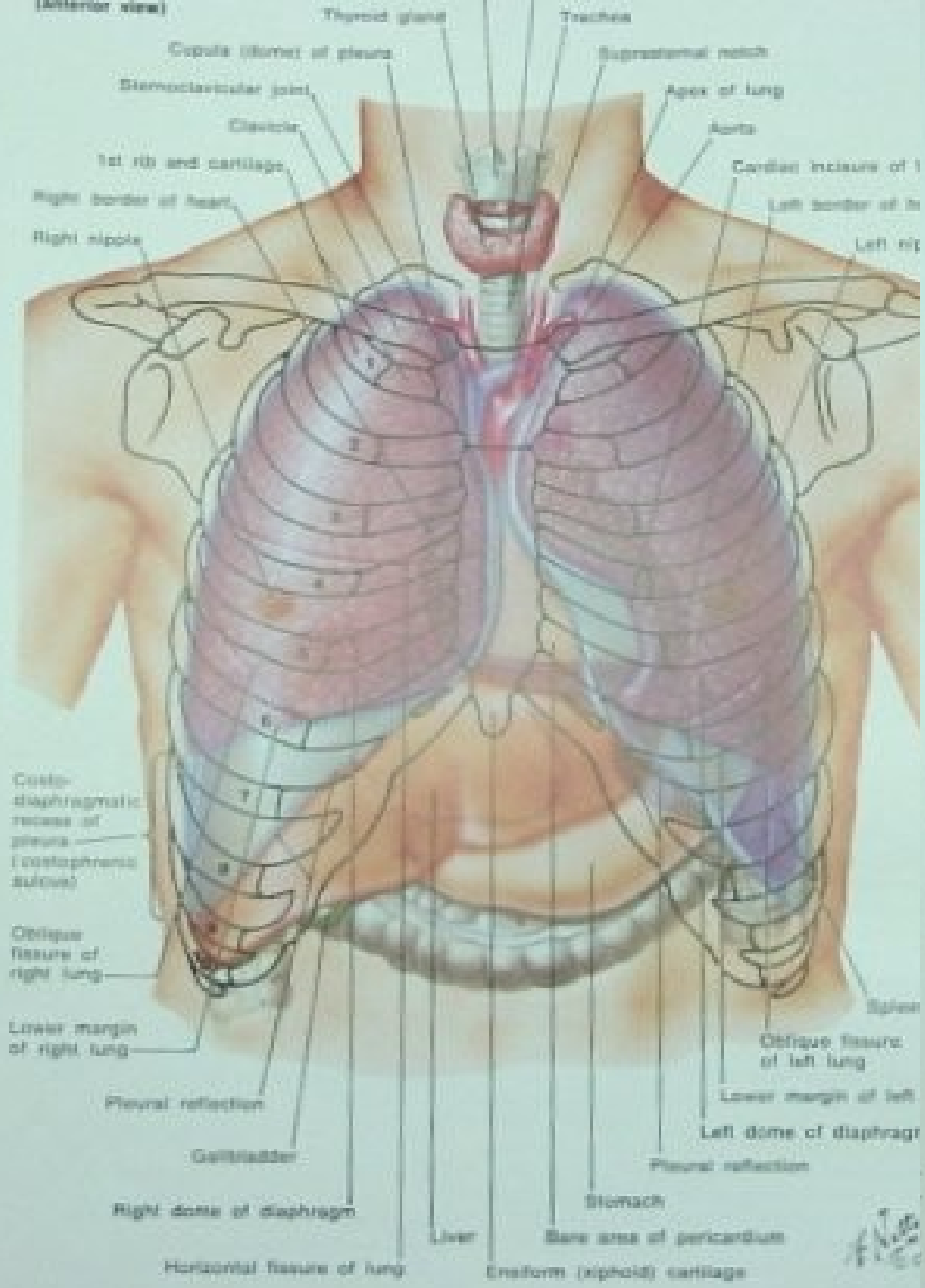
Face cartil  
Sphenoidal sinus  
Frontal sinus  
Nasal cavity  
Superior and supreme  
Middle  
Inferior  
Nasal vestibule  
Datum of auditory tube  
Oral cavity  
Tongue

Nasal  
superior  
turbinate

Capsule (cornu) of pleura  
Clavicle  
1st rib  
Subcostal parietal pleura  
Mediastinal parietal pleura  
R. main bronchus  
R. pulmonary artery  
Visceral pleura over right lung  
Hilus of right lung  
Parietal mediastinal pleura  
Subcostal and subcostal parietal pleura  
Diaphragmatic parietal pleura  
Diaphragm

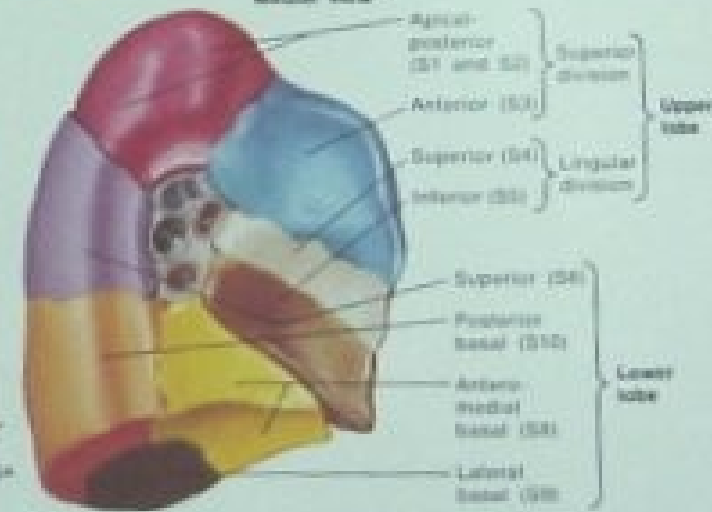
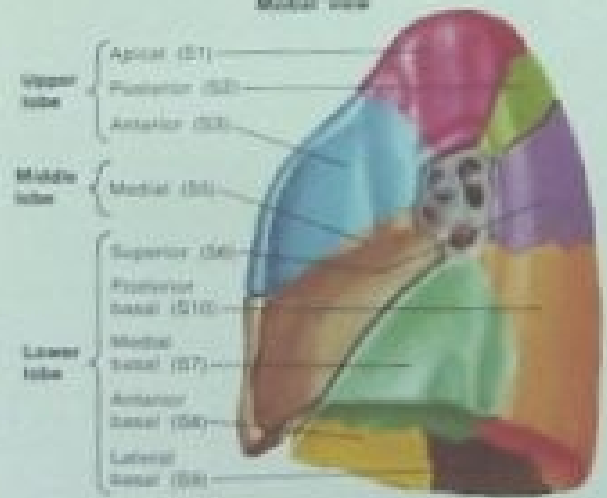
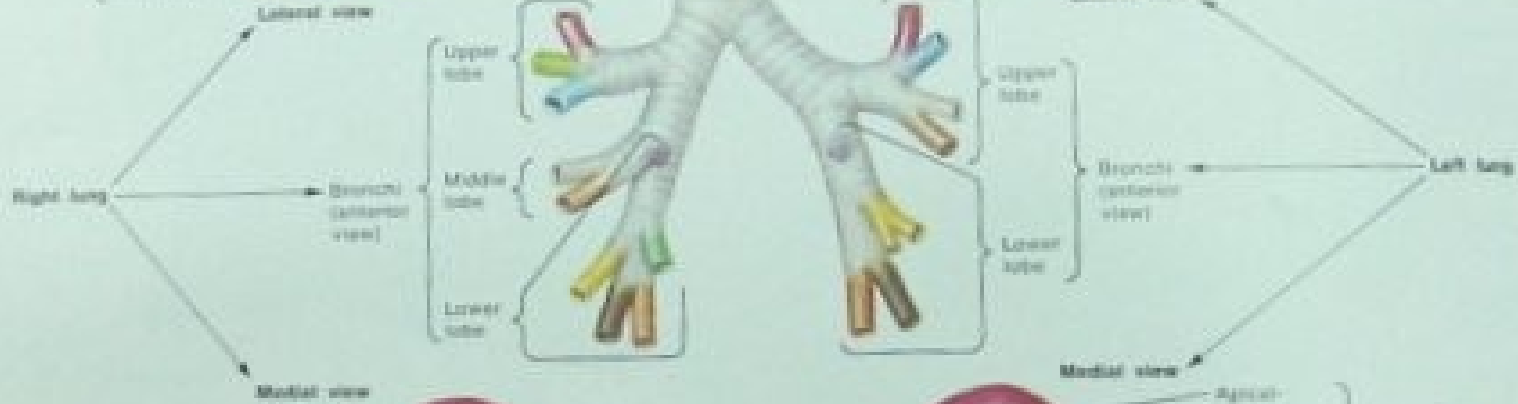
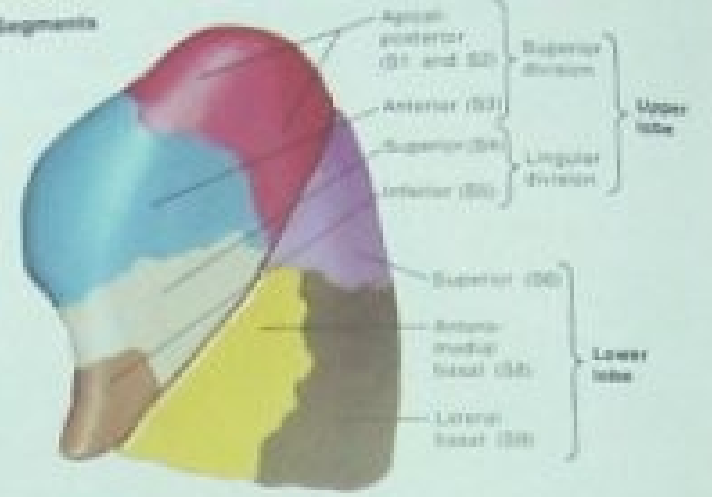
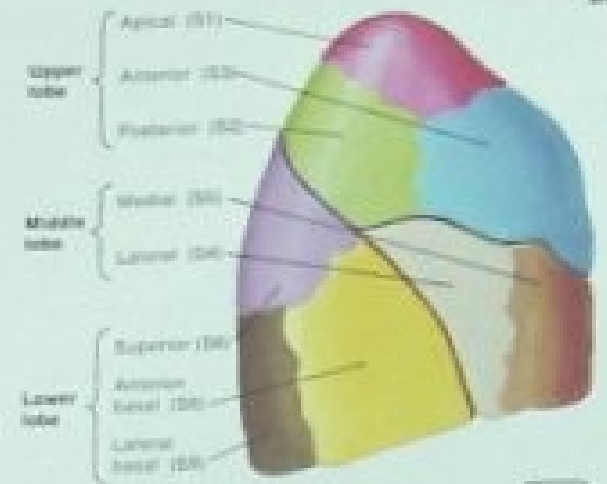
Epiglottis  
Larynx  
Vocal fold (cord)  
Trachea  
Subclavian artery and vein  
Aorta  
L. pulmonary artery  
L. main bronchus  
Lymph nodes  
Pericardium  
Stomach (not shown)  
6th and 7th costal cartilages  
Rectus abdominis muscle  
Linea alba  
Internal oblique muscle  
External oblique muscle (not shown)



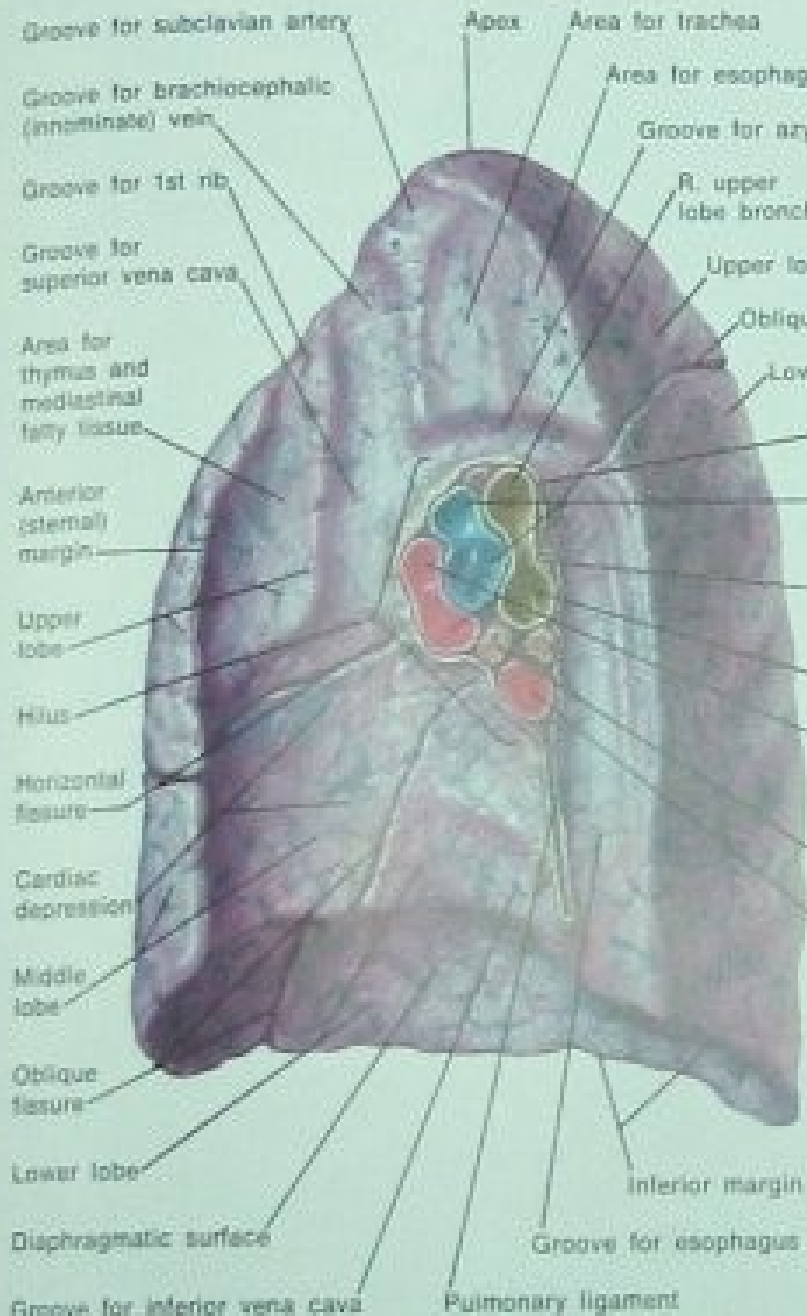


F. Netter  
© CIBA

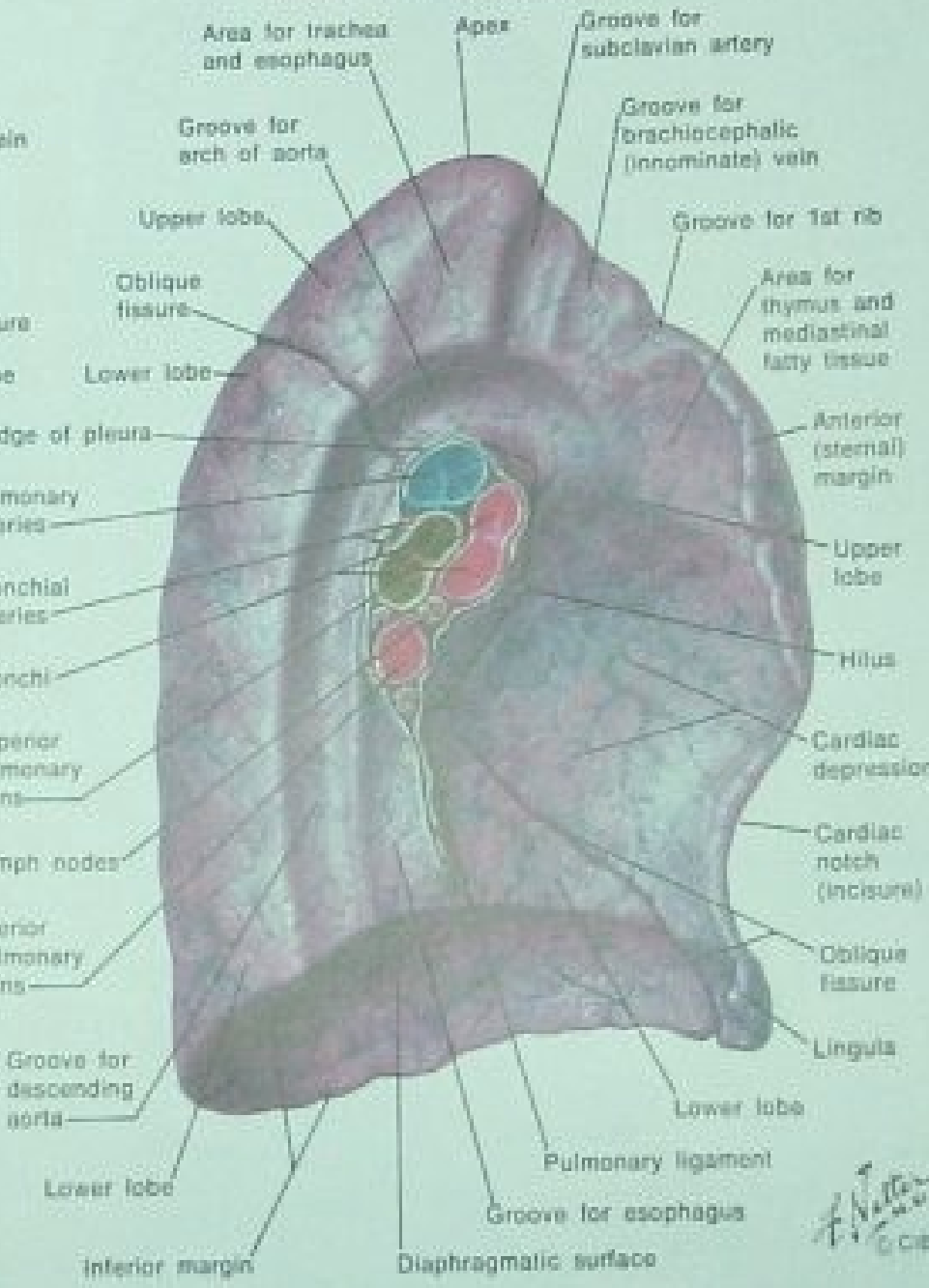
# Bronchopulmonary Segments



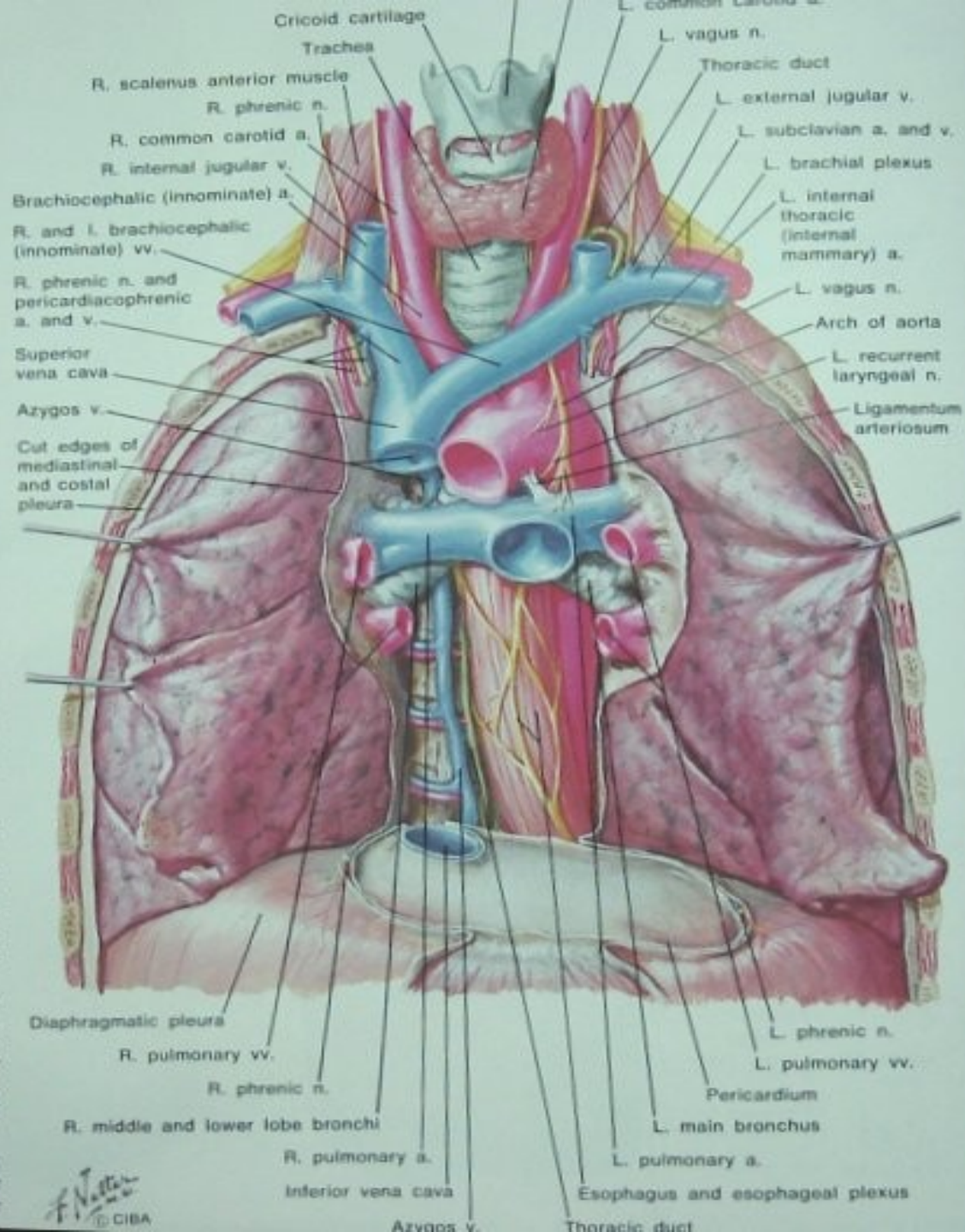
### Medial Surface of Right Lung



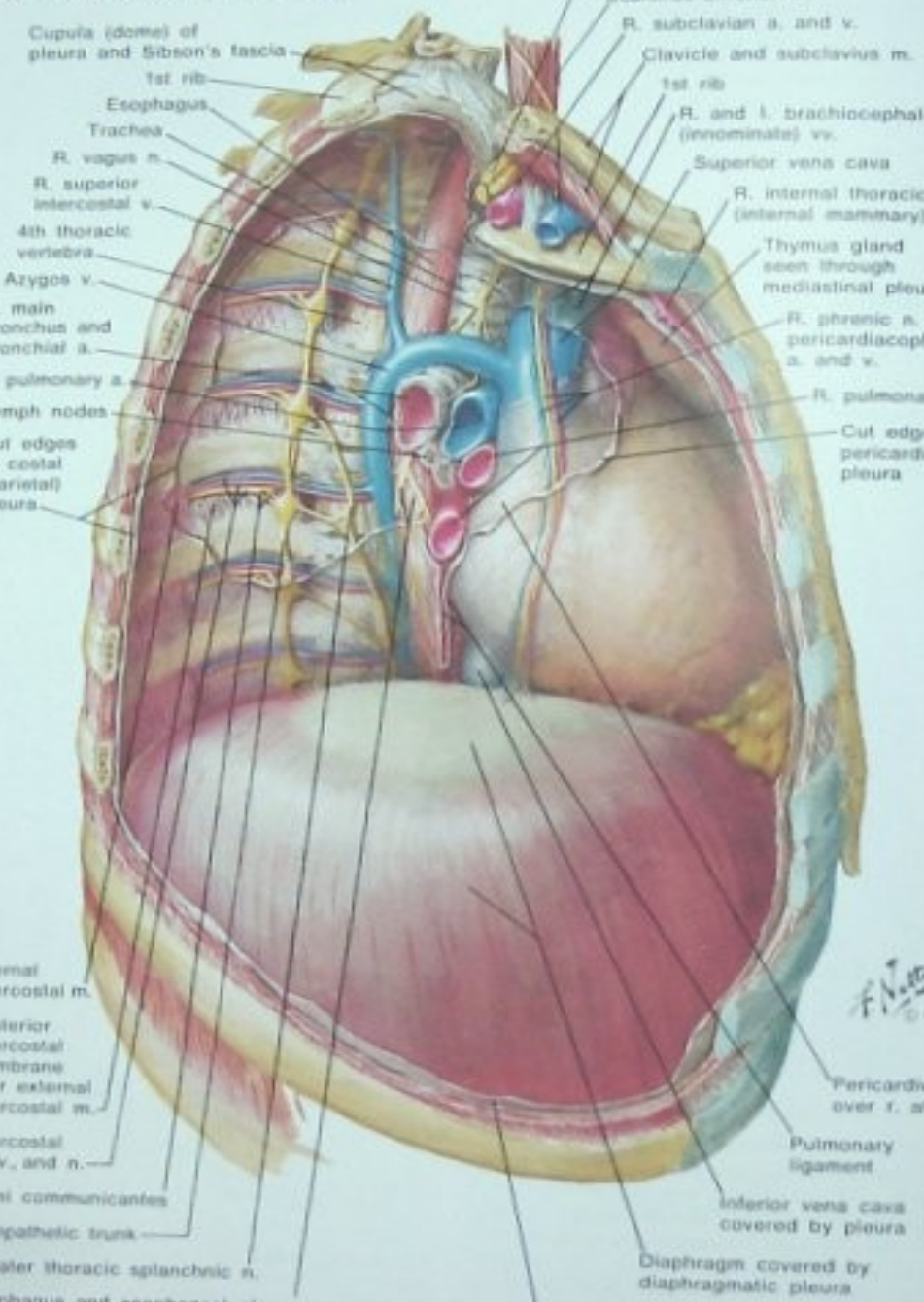
### Medial Surface of Left Lung



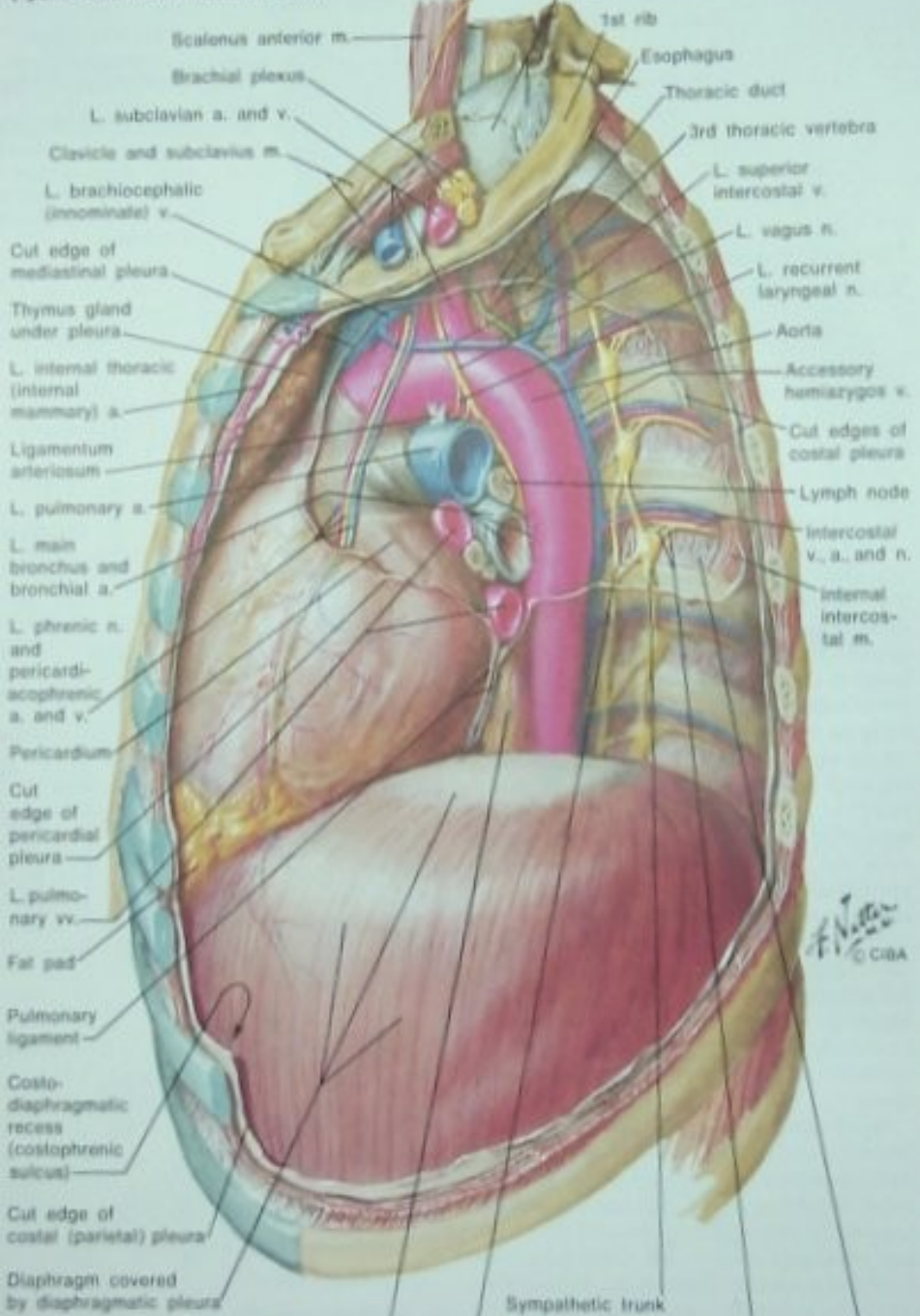




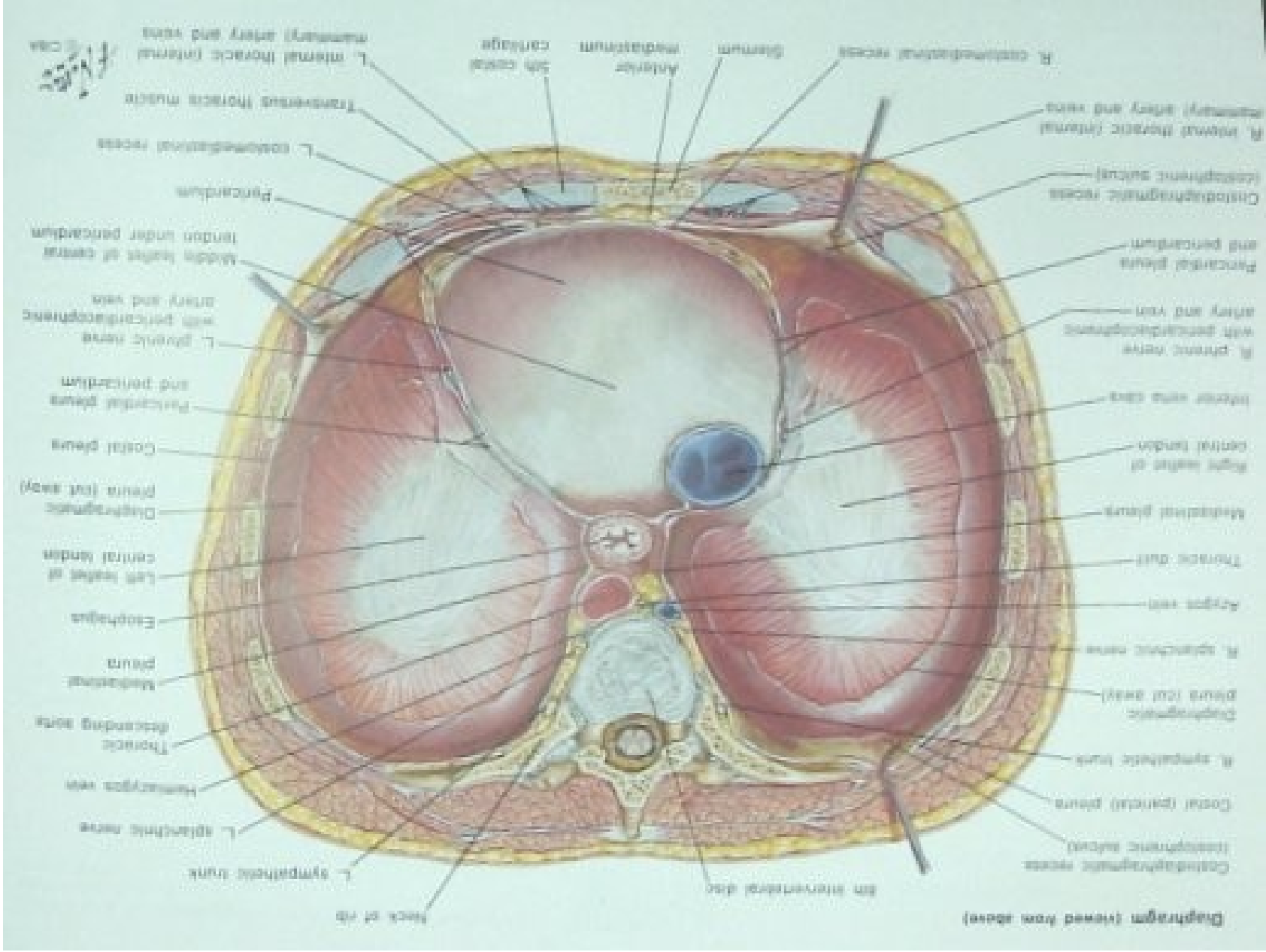
**Right Thoracic Cavity and Mediastinum**  
(opened and viewed from right side)



**Left Thoracic Cavity and Mediastinum**  
(opened and viewed from left side)





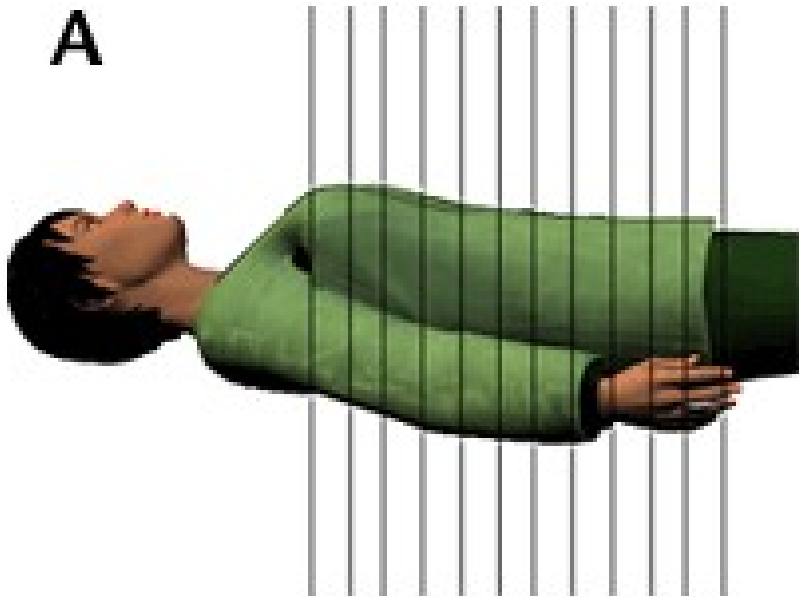


# Bilgisayarlı Tomografi

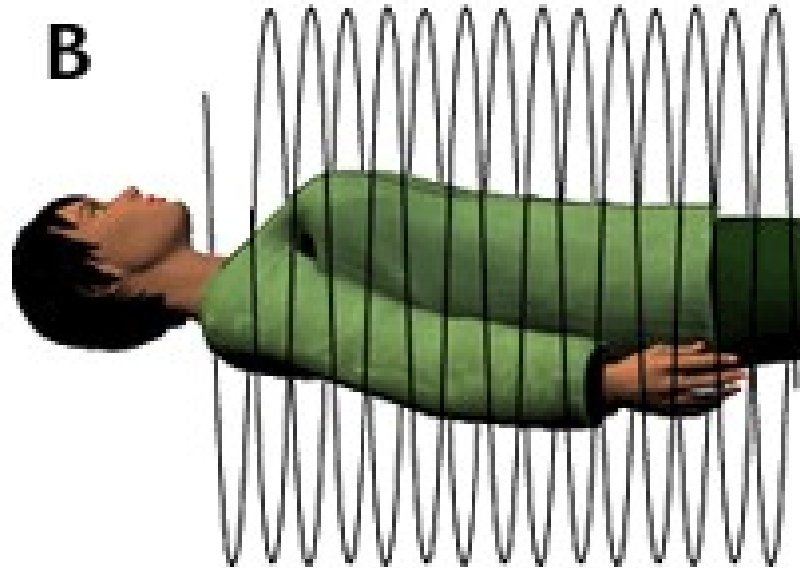
- Konvansiyonel BT  
(Bir nefeste 1 kesit)
- Spiral BT  
(Bir nefeste tüm toraks)

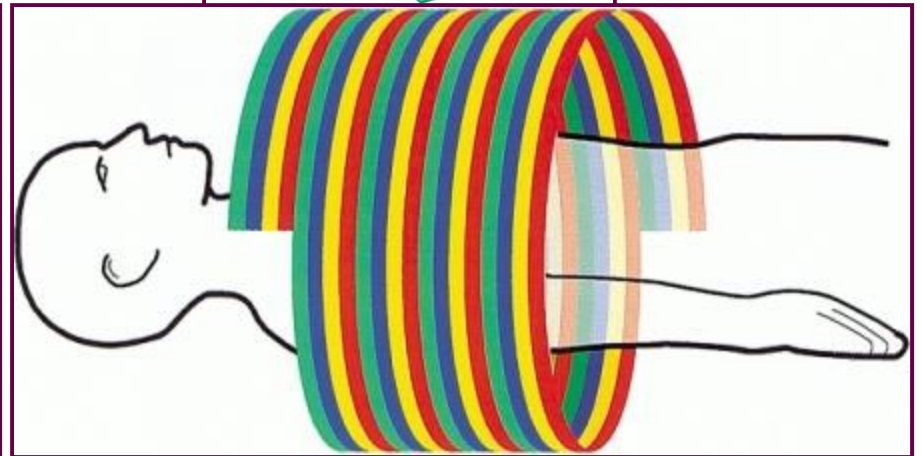
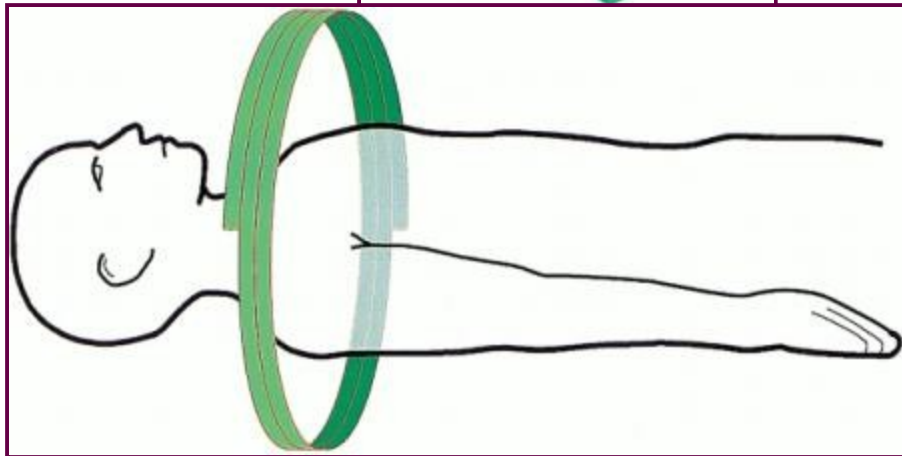
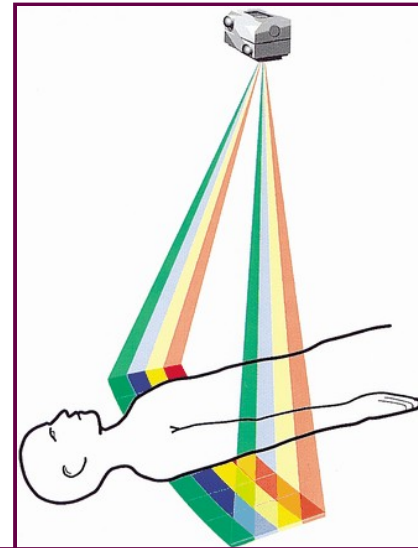
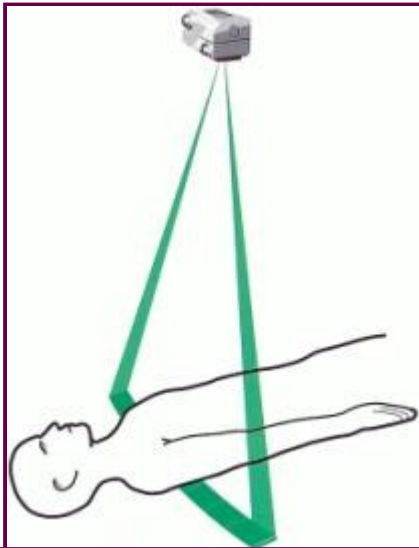


**A**



**B**





Spiral BT

Multislice BT



## **Tek kesit BT**

1kesit 1 dönüş/san

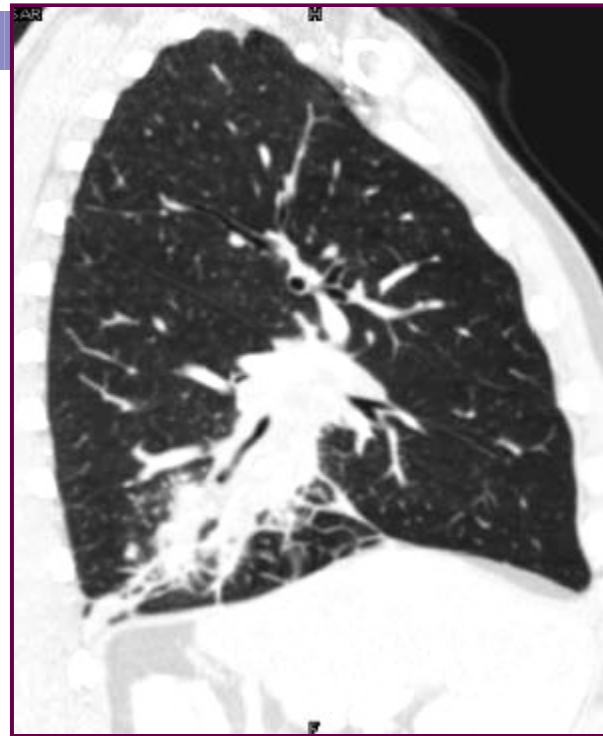
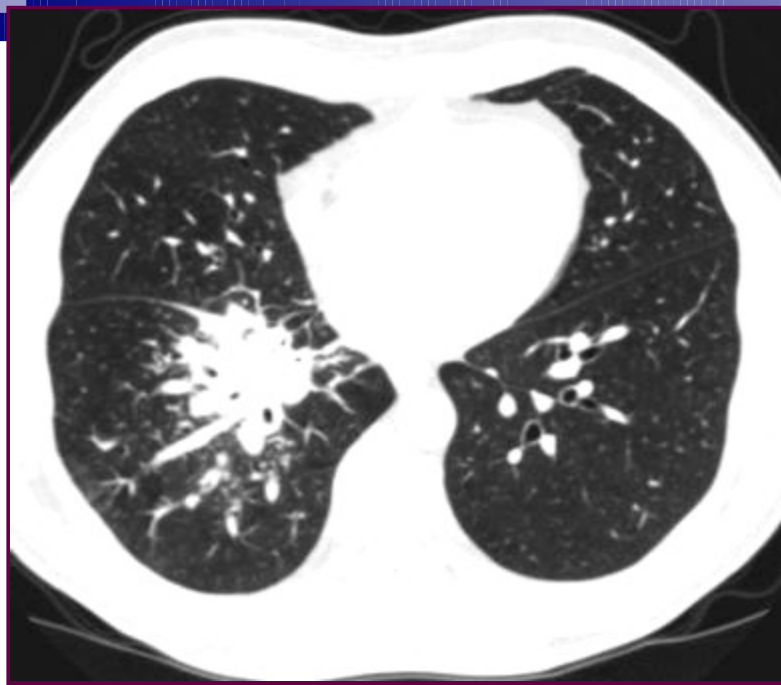
## **Çok kesitli BT**

4 ila 64 kesit 2 veya  
2.5dönüş/san

**Hız 4-64 kat artmakta  
Dolayısıyla çekim süresi  
kısalmakta.**

# Çok kesitli BT'nin getirdikleri

- Sanal bronkoskopi
- Nodül hacmi ve takip ile tümör ikiye katlanma zamanını hesaplama
- Alınan ince kesitler ile anatomik ve patolojik bölgeleri sagittal, koronal ve üç boyutlu planda izleyebilme
- Pulmoner emboliyi subsegmental dallarda dahi görebilme
- En küçük nodülleri bile tanıma,
- .....

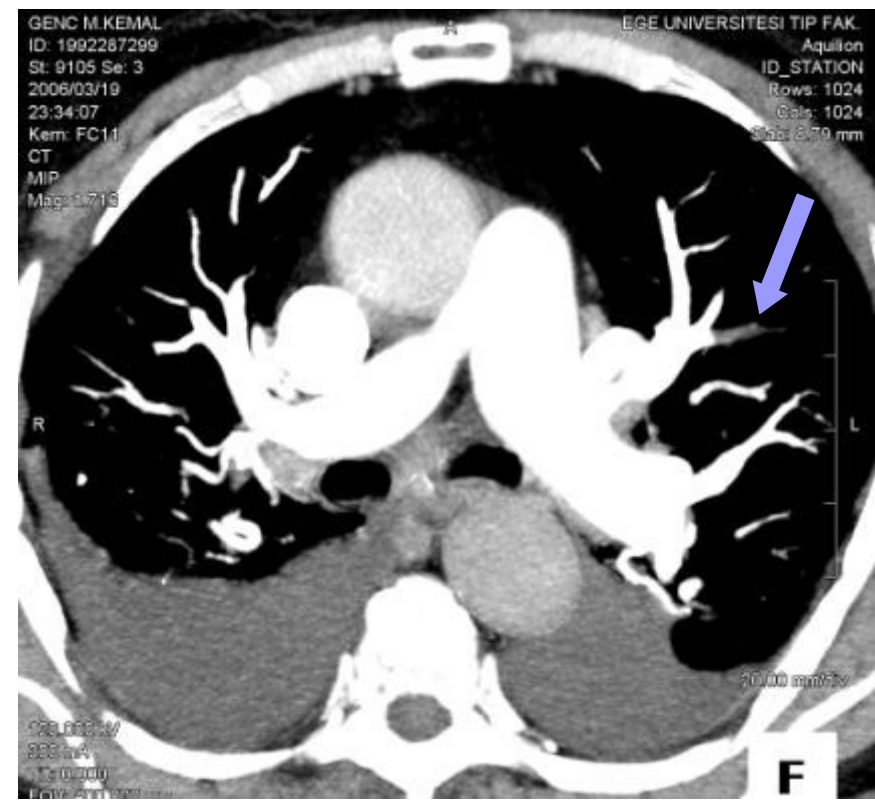
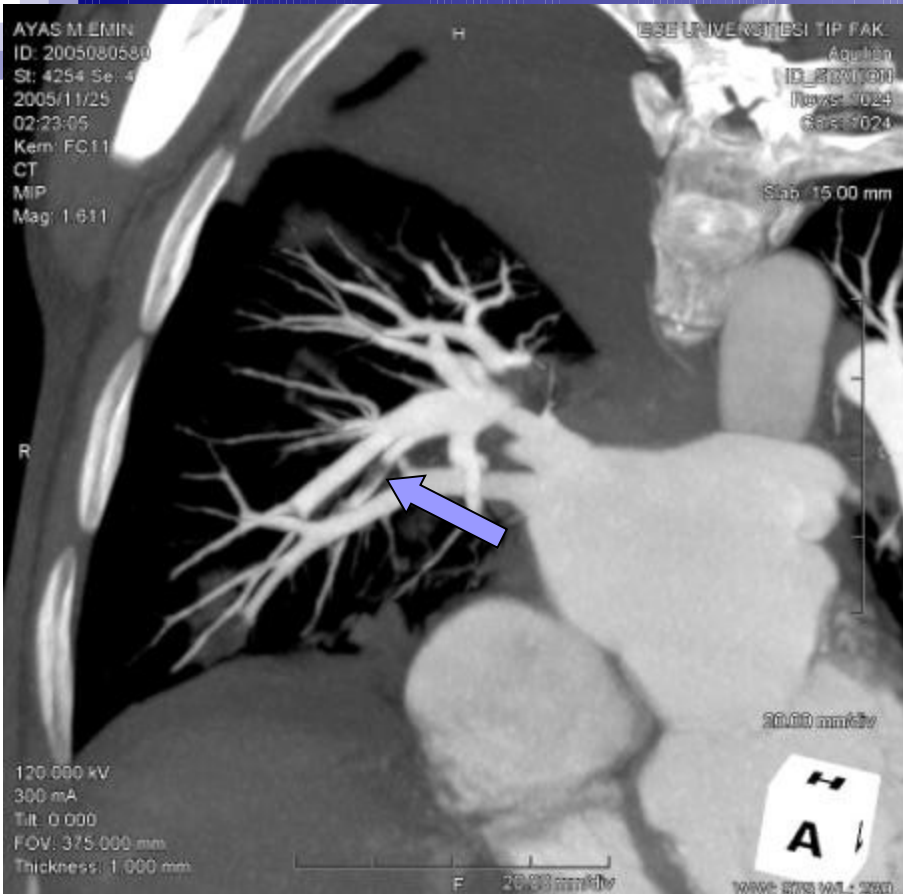


# Bronkoskopi









# BT TERİMLERİ

- İzodens: Karşılaştırılan doku veya yapı ile aynı dansitede olma
- Hipodens: Karşılaştırılan dokuya göre daha düşük dansitede olma, daha koyu
- Hiperdens: Karşılaştırılan dokuya göre daha dens olma, daha açık

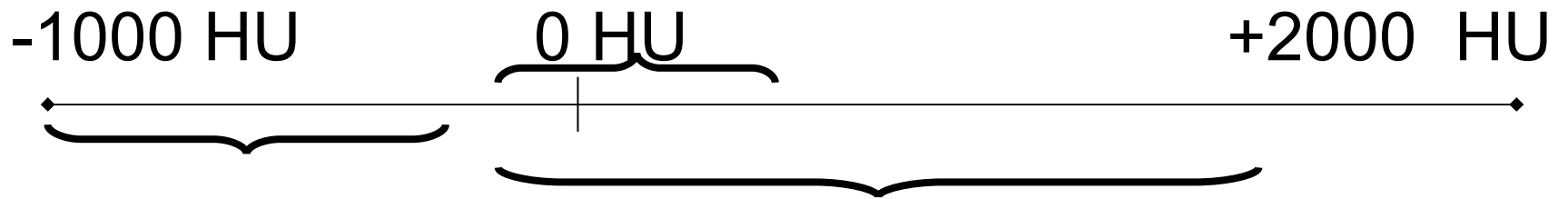
# BİLGİSAYARLI TOMOGRAFI

- Görüntü kalitesi (cihaza ve filmin pencereleme özelliğine bağlı)
- Raporlama kalitesi (Doktora bağlı)

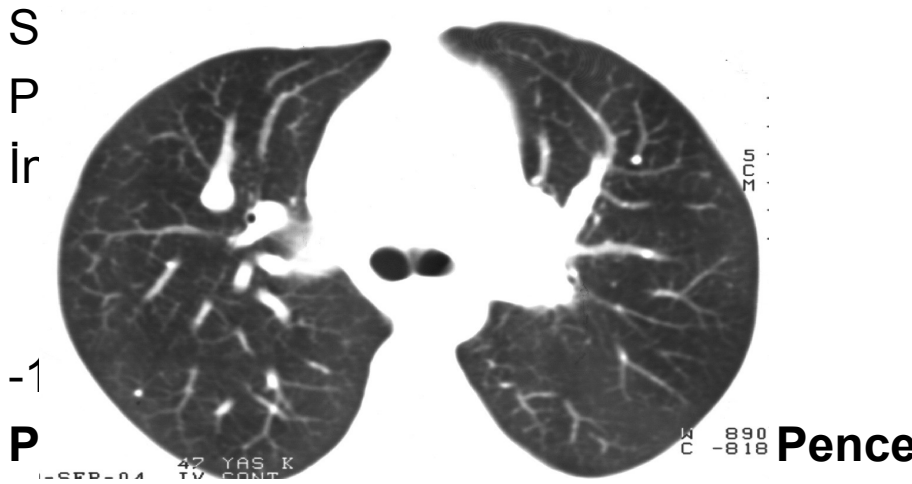
**HER İKİSİ BİR BÜTÜN**



# Pencerere



**Parankim penceresi**



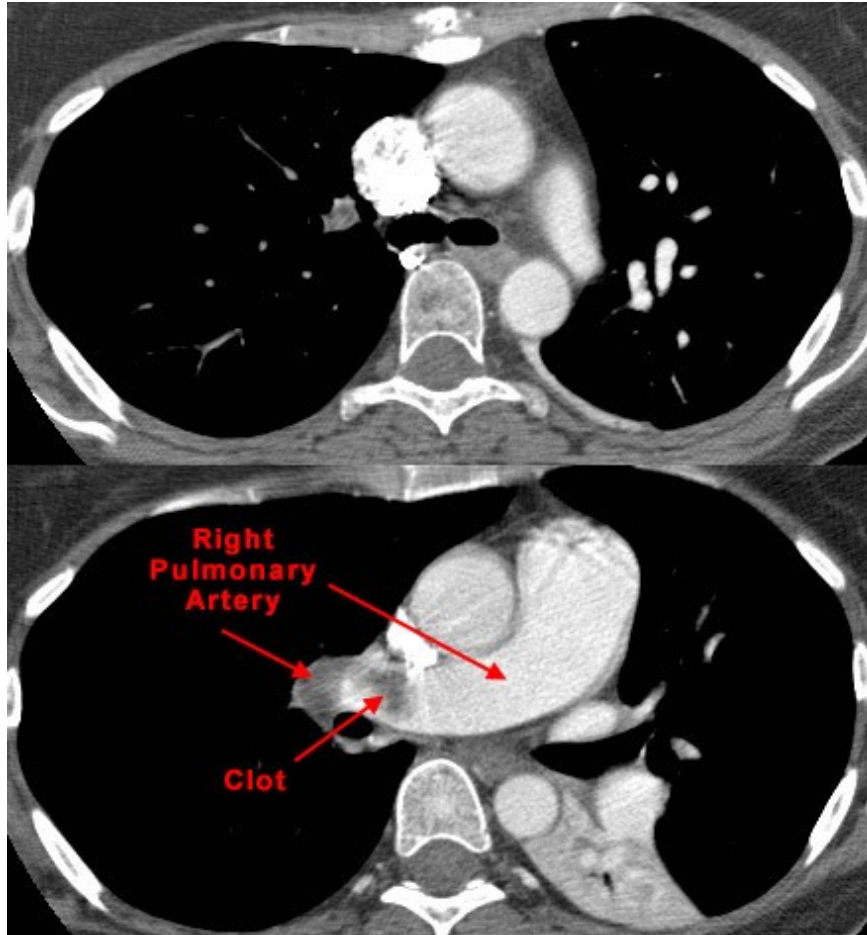
**Mediasten penceresi**

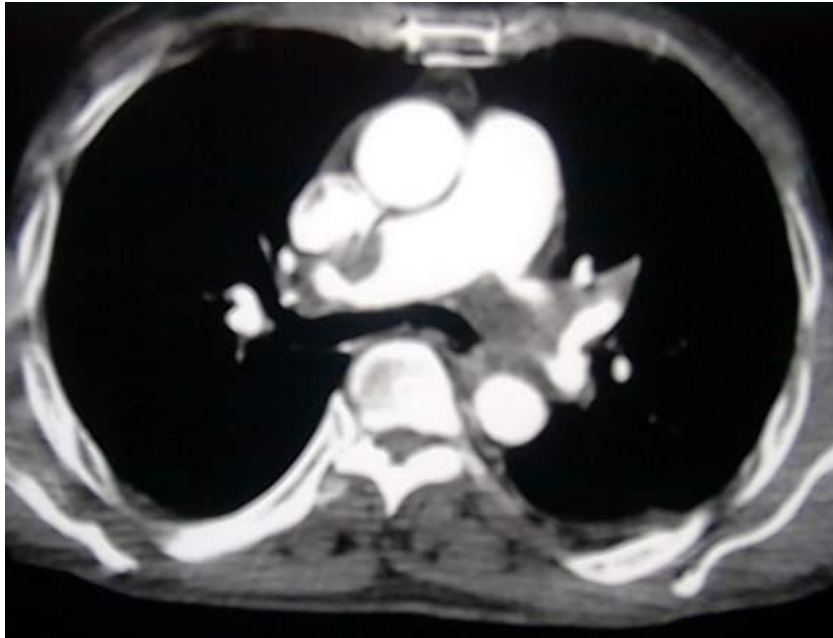


# ANJİO BT

- Pulmoner emboli
- Aorta ile ilgili anevrizma, diseksiyon, vaskulit vb.
- Akciğer kanseri veya mediastinal tümörün vasküler invazyonu amaçlı

# PULMONER EMBOLI





Name: OZTBMEL, NAZIFE

Inst: EGE UNV. TIP. FAK. HAST.

ID: 2001031721

Model: SOMATOM PLUS 4

DoB: 1924.01.01

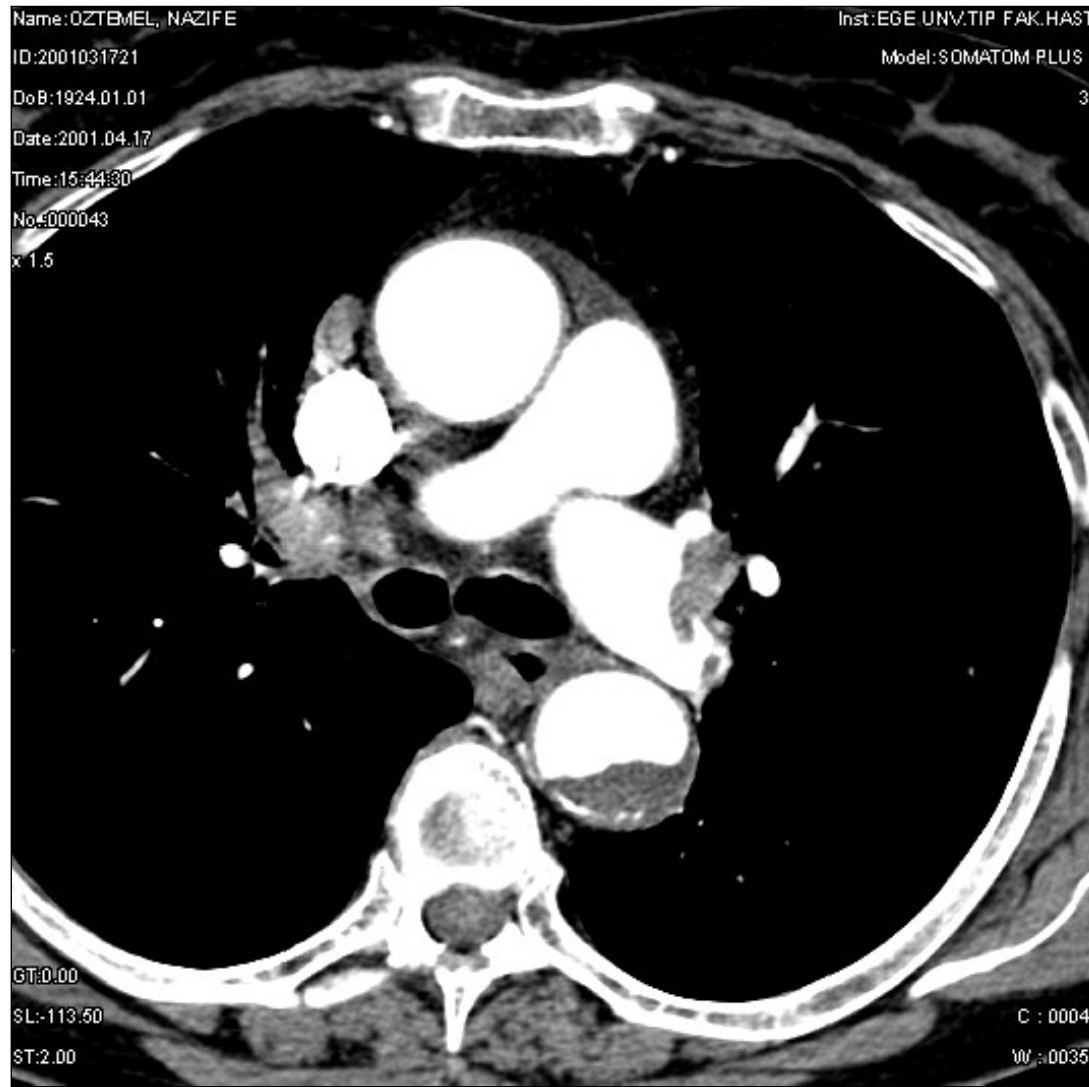
30

Date: 2001.04.17

Time: 15:44:30

No: 4000043

x 1.5



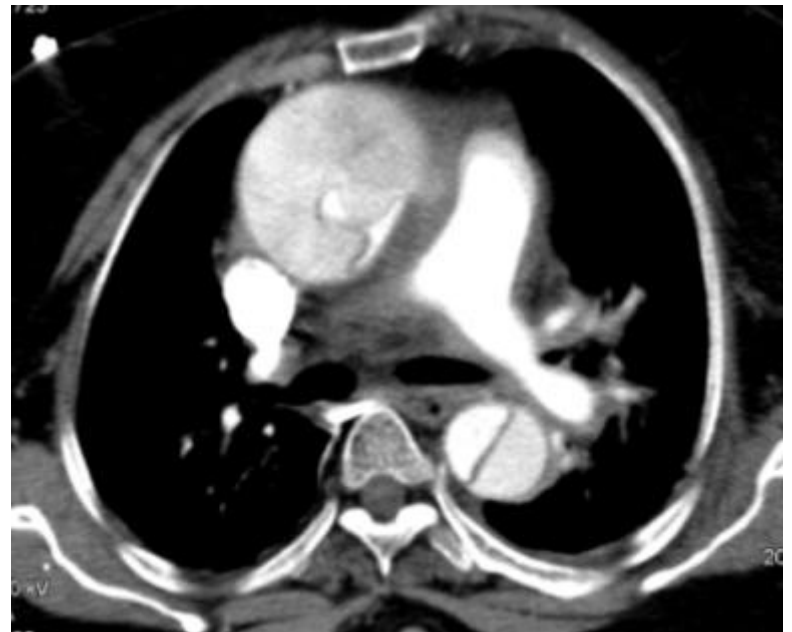
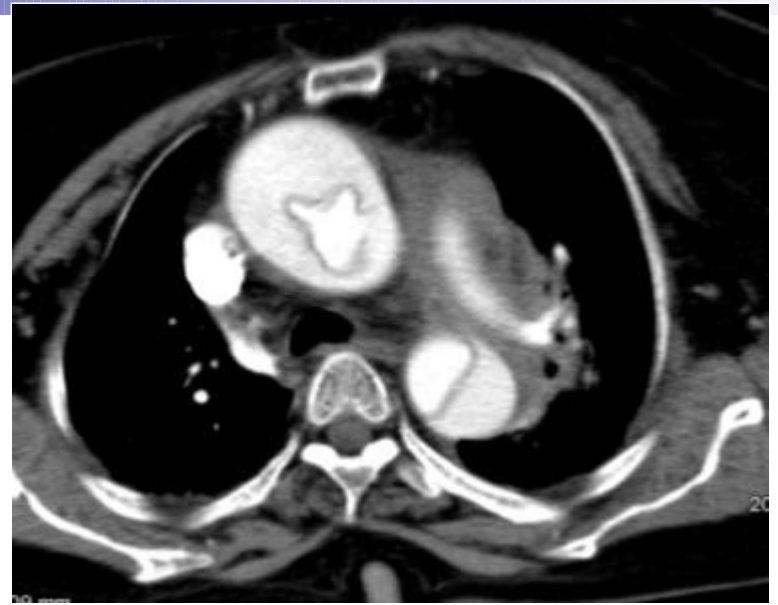
GT: 0.00

SL: 113.50

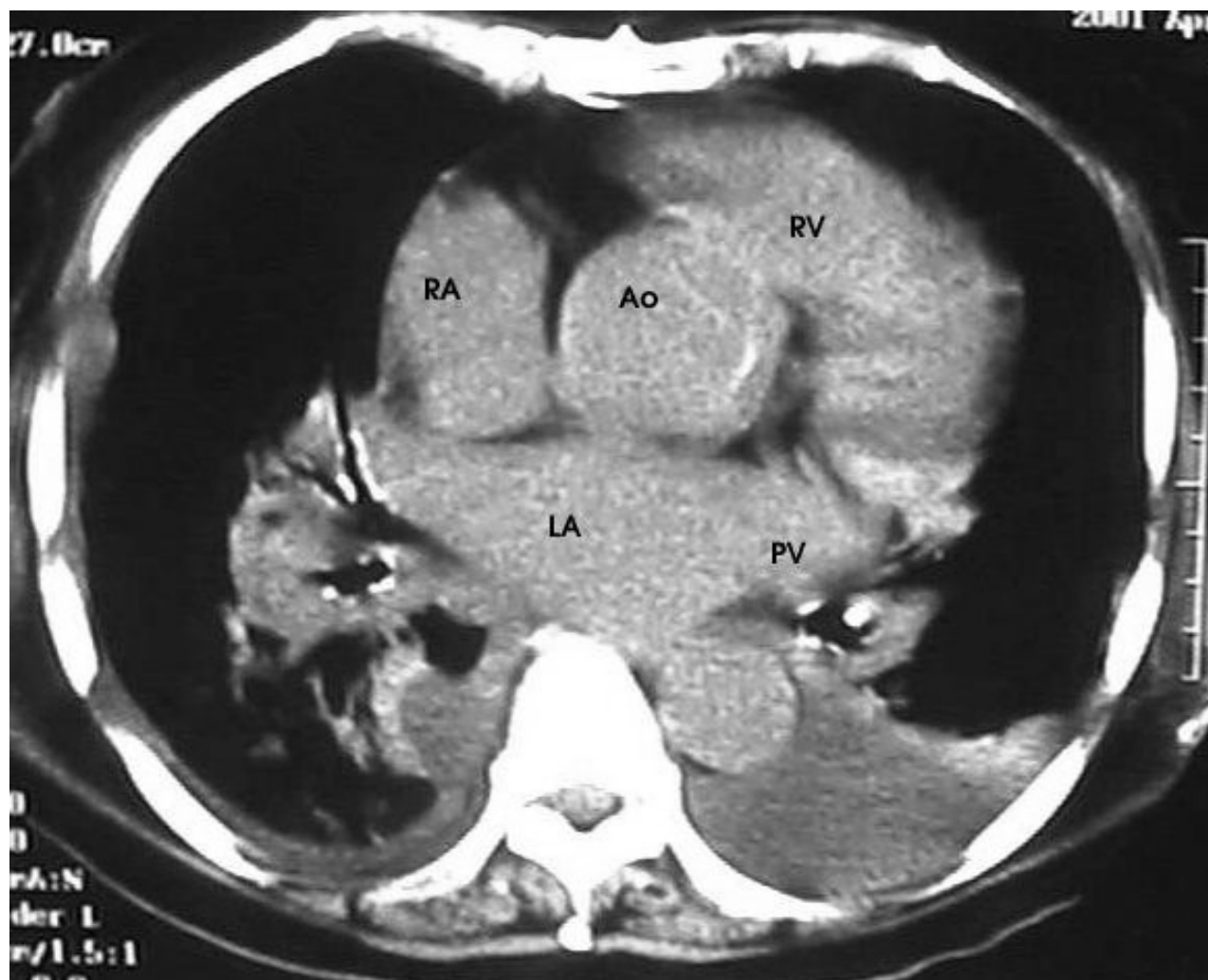
ST: 2.00

C : 00049

WV : 00350



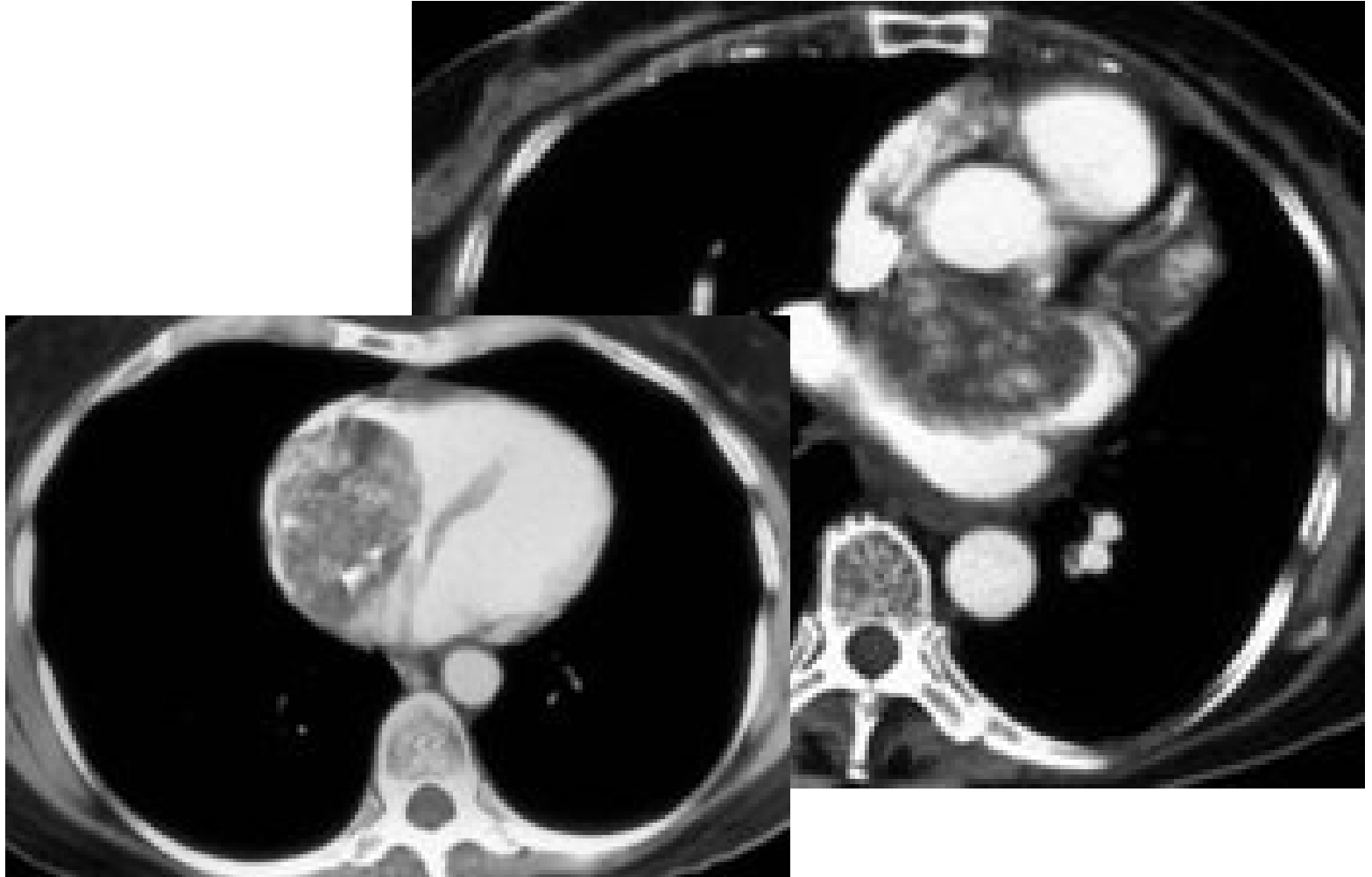
# KALP





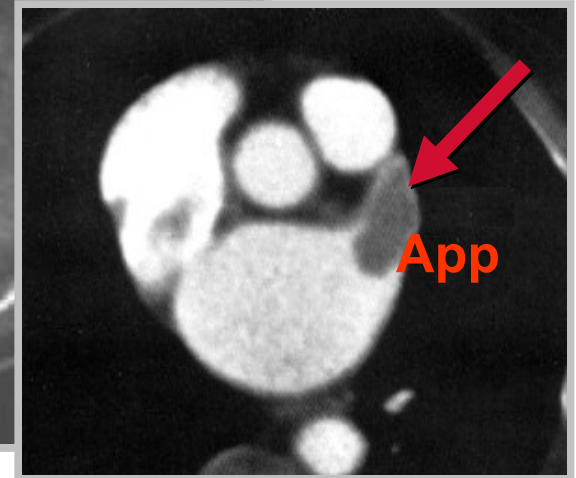
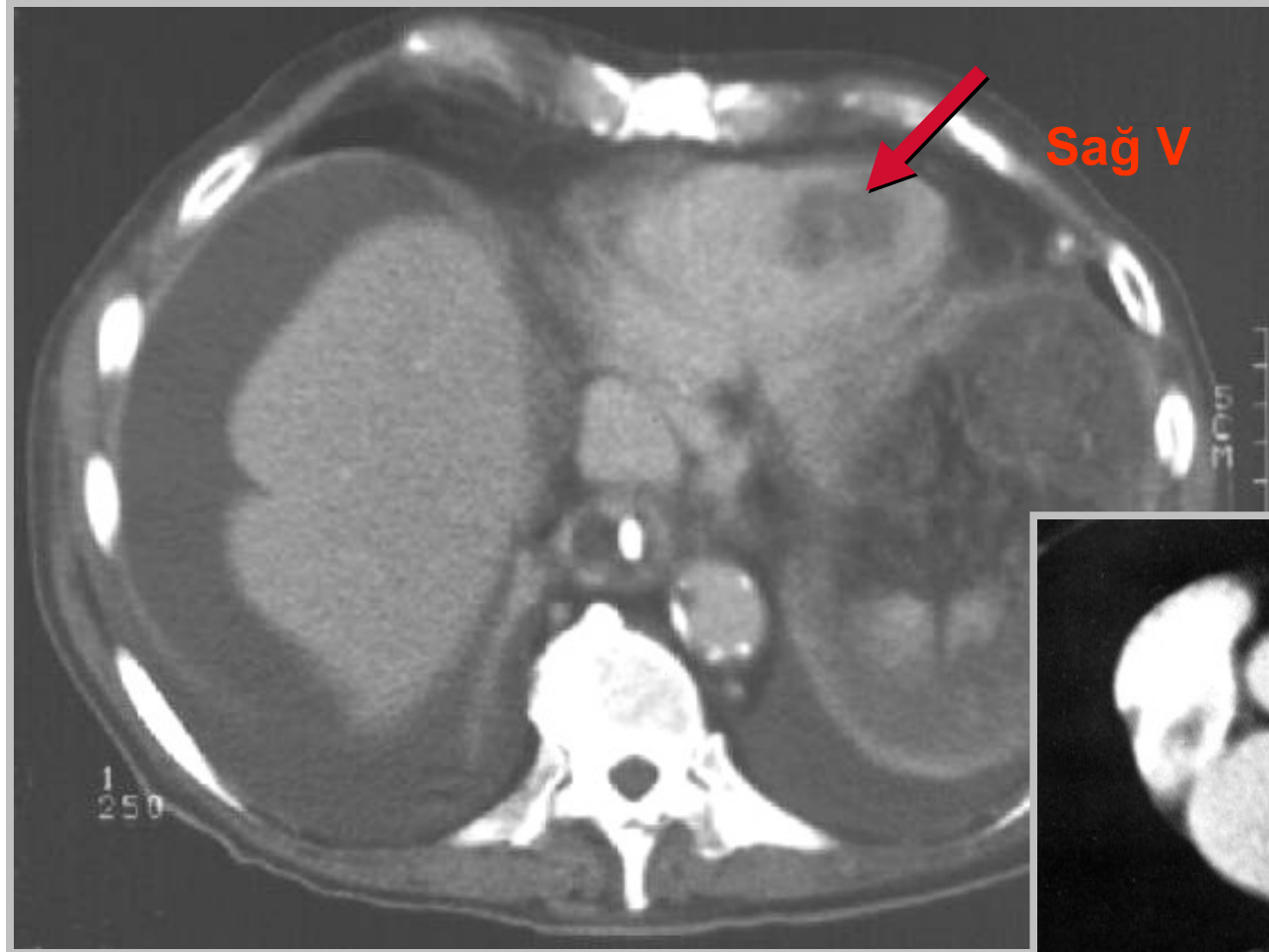
Kalbin Bilgisayarlı Tomografisi

# İntrakardiyak Tümörler



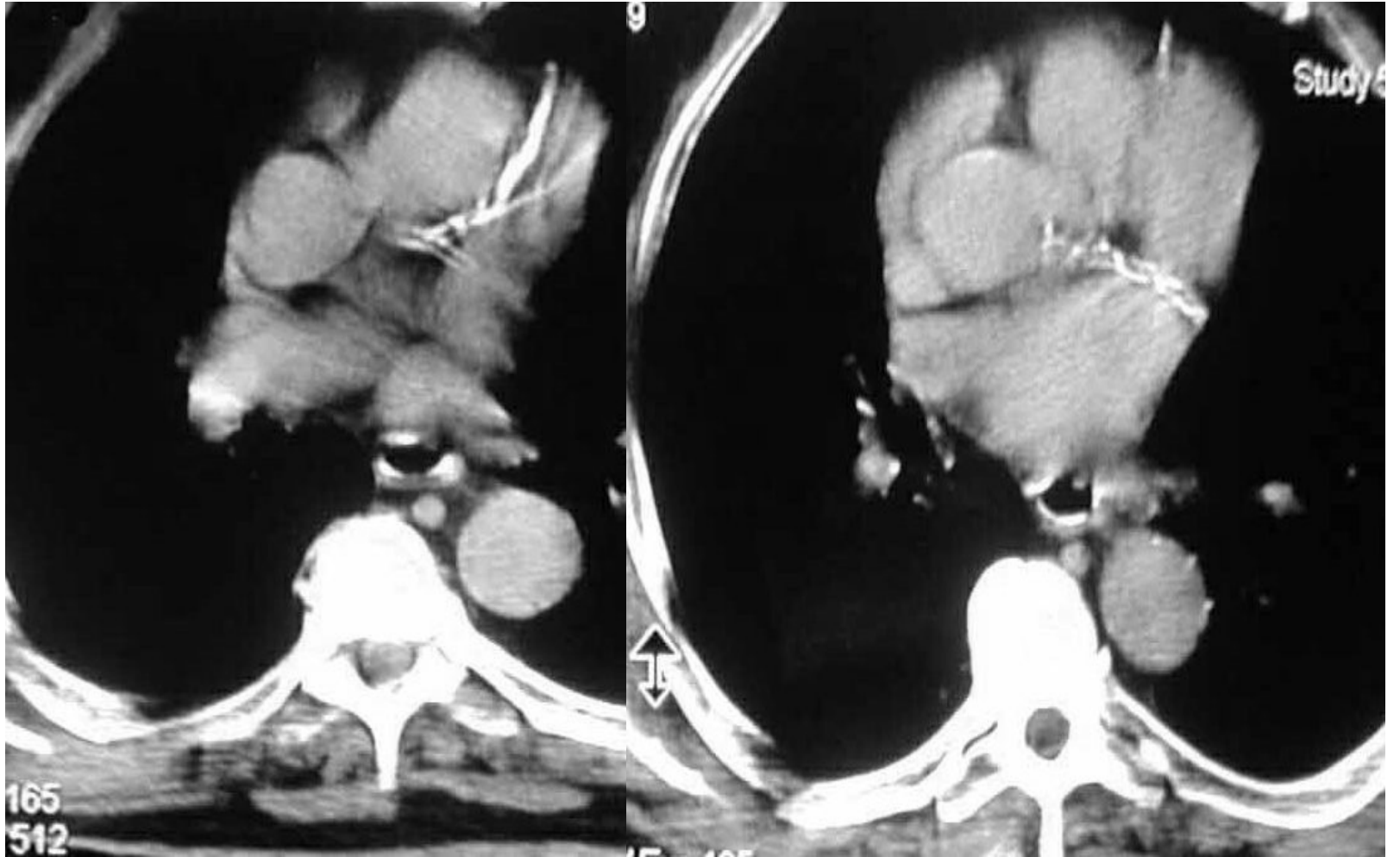
Kalbin Bilgisayarlı Tomografisi

# İntrakardiyak Trombüsler



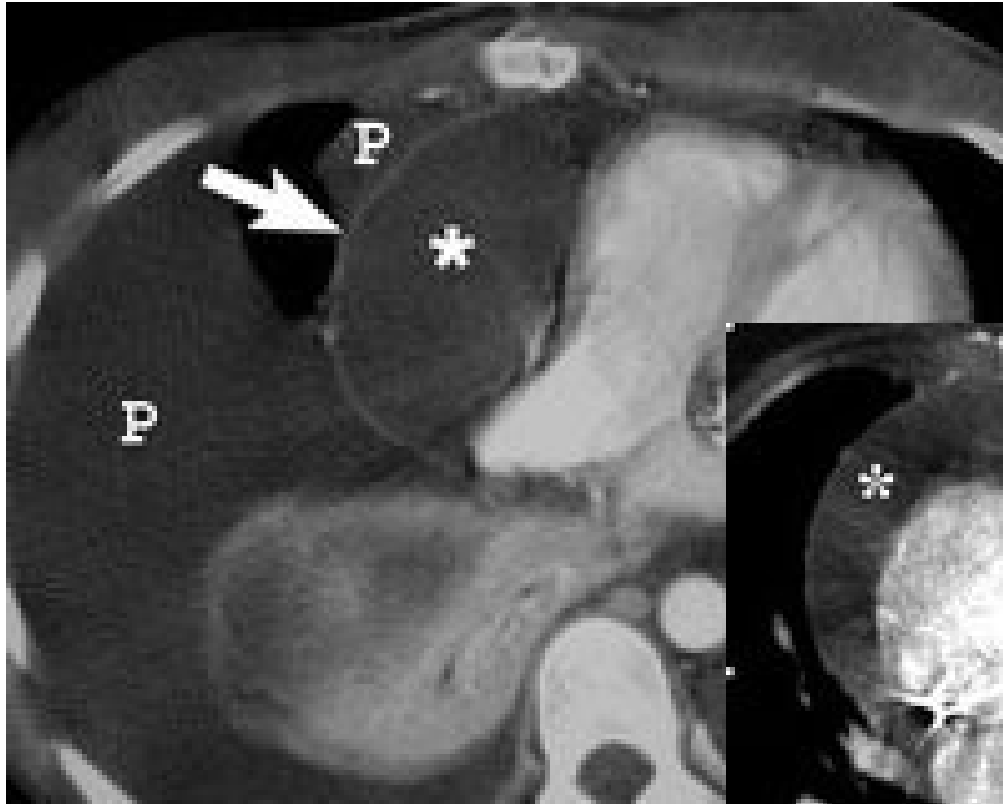
Kalbin Bilgisayarlı Tomografisi

# Koroner Arterlerde Kalsiyum Birikimi



Kalbin Bilgisayarlı Tomografisi

# Perikard Patolojileri





TEŞEKKÜRLER