

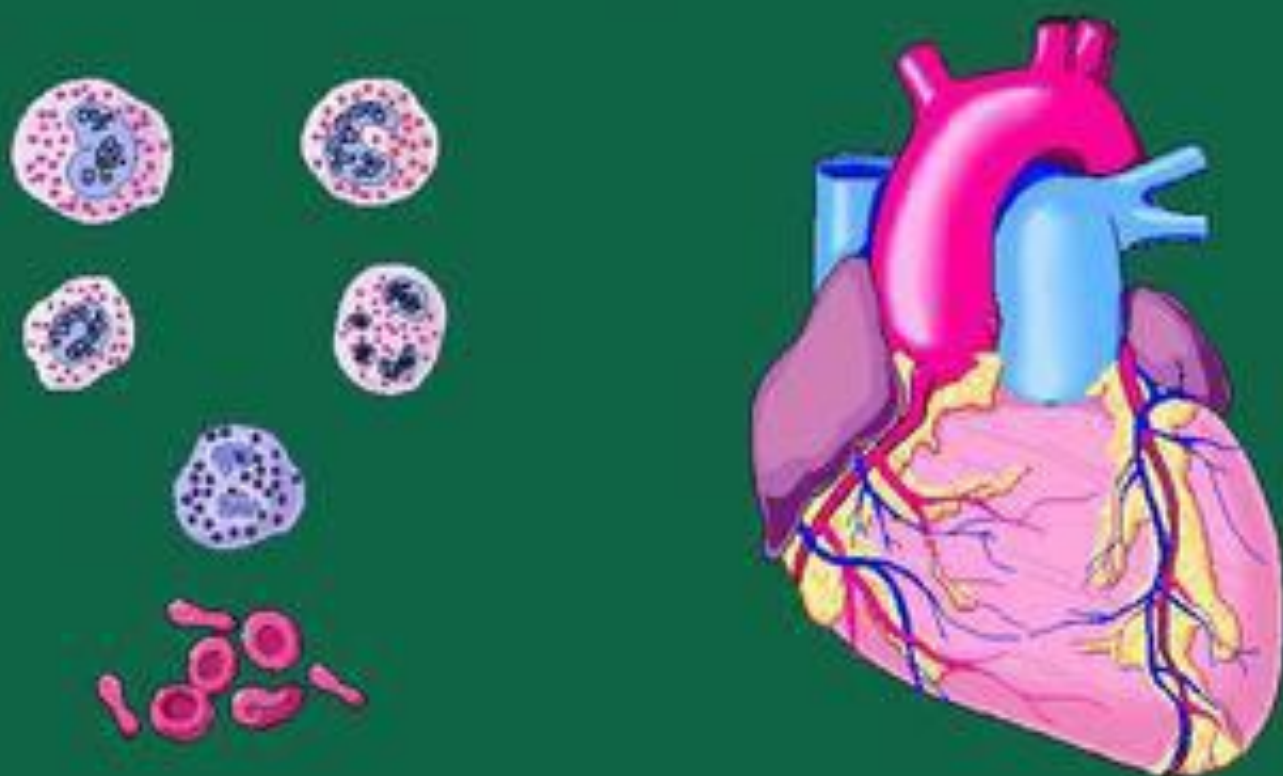
Lec 4 cardiovascular and respiratory system terminology

By Dr.Zainab Ali hussein

M.B.Ch.B\F.I.C.M.S.Path

The Cardiovascular System

Heart-----Blood Vessels-----Blood Cells



Medical Terminology

CARDIOVASCULAR SYSTEM

MEDICAL TERMINOLOGY

PREFIX

ROOT

SUFFIX

HEART



BLOOD VESSELS



BLOOD



Structure of the Human Heart

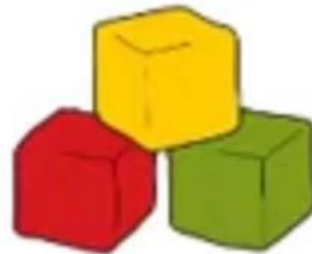
- Pericardium
- Structure of the Heart Wall
- Chambers of the Heart
- Blood Vessels
- Valves

Heart

- Endocardium - serous membrane lining
- myocardium - muscle layer
- epicardium - outermost layer
- pericardium - sac containing the heart

HEART

CARDI / O



CARDIOVASCULAR

CARDIO MEGALY

ABNORMAL ENLARGEMENT

PERICARDIUM

محيط بالشئ

HEART

التأمور PERICARDITIS

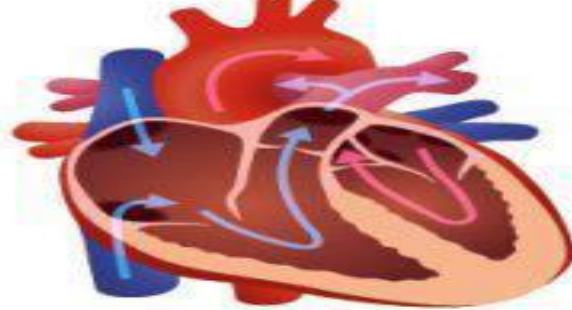
Chambers of the Heart

we have four chambers, namely:

- Left atrium
- Right atrium
- Left ventricle
- Right ventricle

Blood Vessels

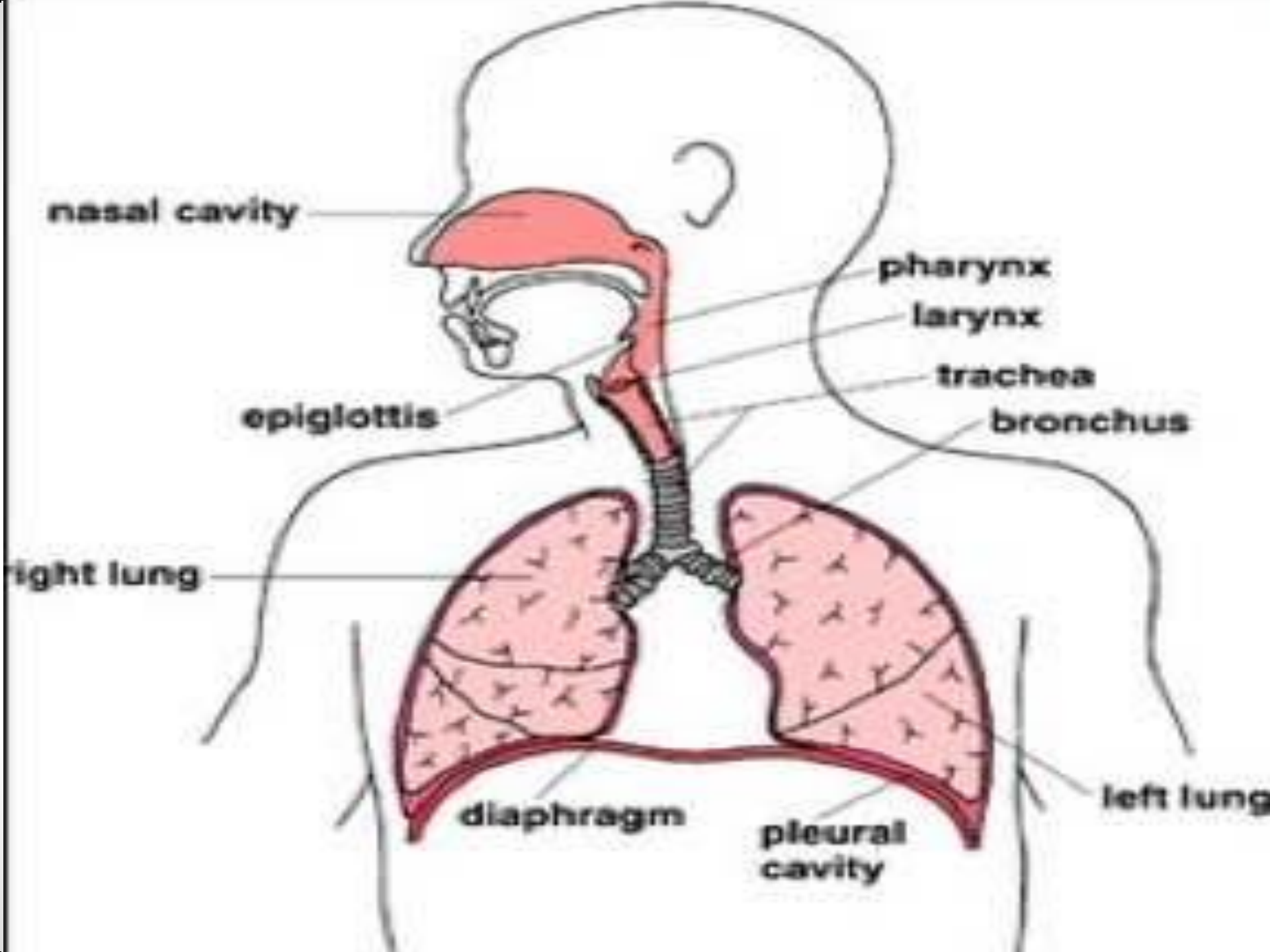
- Veins
- Capillaries.
- Arteries.



WORD ROOT

angi(o)	Vessel
vas(o), vascul(o)	Vessel
aort(o)	aorta
arter(o), arteri(o)	artery
arteriol(o)	arteriole
atri (o)	atrium
cardi(o)	heart
coron(o)	crown
endocardi(o)	endocardium
my(o)	muscle
myocardi(o)	myocardium
mediastin(o)	mediastinum
pericardi(o)	pericardium
path (o)	disease
radi(o)	radiant energy or xray
sept(o)	septum, partition
sin(o)	sinus
thorac (o)	chest
ven(o)	vein
venul(o)	venule
valv(o), valvl(o)	valve
ventricul(o)	ventricle

- The Respiratory system
Terminology



1. nasal cavity
2. nares (nostrils)
3. pharynx
4. larynx
5. trachea
6. left bronchus
7. alveoli
8. bronchiole
9. diaphragm
10. right lung
11. right bronchus

The lungs can be divided into different fields.

LUL = Left Upper Lobe

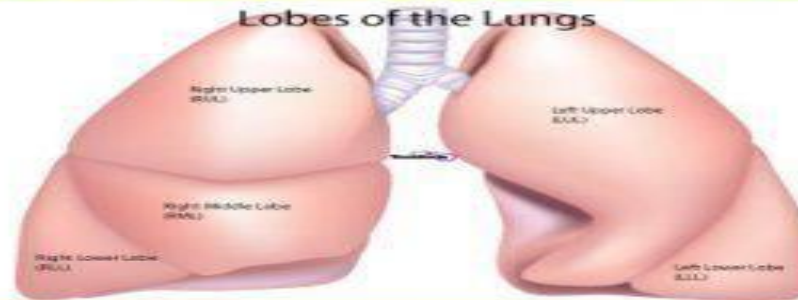
LLL = Left Lower Lobe

RUL = Right Upper Lobe

RML = Right Middle Lobe

RLL = Right Lower Lobe

MEDICAL TERMINOLOGY OF THE RESPIRATORY SYSTEM



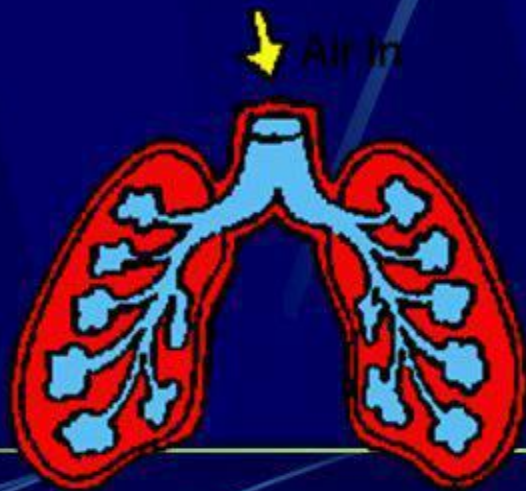
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WORD ROOT

Alveol(o)	Pertains to alveolus
Bronch(o)	bronchus
Bronchi(o)	bronchioles
Laryng(o)	larynx
Lob(o)	lobe, rounded prominence
Nas(o)	nose
Pleur(o)	pleura
Pneum(o)	lung, air
Pneumon(o)	lung
Pulm(o)	lung
Pharyng(o)	pharynx
Rhin(o)	nose, nose like
Thorac(o)	chest
Trache(o)	trachea, windpipe
Hemat(o)	blood

Pne/o = Breathing

- A/pnea
- Dys/pnea
- Tachy/pnea
- Brady/pnea
- Ortho/pnea
- Absence of breathing
- Difficult breathing
- Rapid breathing
- Slow breathing
- Able to breathe only when sitting or standing



ROOT bronchi/o; bronch/o		MEANING bronchus
	<i>Term Analysis</i>	<i>Definition</i>
bronchitis (brong-KYE-tis)	chronic = disease lasting over a long period of time -itis = inflammation	inflammation of the bronchus lasting over a long period of time. Bronchitis is diagnosed as chronic when it lasts for at least three months in two consecutive years. Compare with acute bronchitis . Acute refers to sudden onset and short duration.
bronchorrhea (brong-REE-ah)	-rrhea = flow; discharge	bronchial discharge
bronchodilator (brong-DYE-lay-tor)	-or = person or thing that does something dilat/o = dilation; widening	drugs used to dilate the bronchus to relieve bronchospasm
bronchospasm (brong-spazm)	-spasm = sudden, involuntary contraction	sudden, involuntary contraction of the bronchus

ROOT phren/o		MEANING diaphragm
	<i>Term Analysis</i>	<i>Definition</i>
(k)	-ic = pertaining to	pertaining to the diaphragm

ROOT pleur/o		MEANING pleura; pleural cavity
	<i>Term Analysis</i>	<i>Definition</i>
effusion (al eh-FYOO-zhun)	-al = pertaining to effusion = movement of fluid out of the blood vessels and into the tissues	movement of fluid out of blood vessels into the pleural cavity
pleuritis (E-tis)	-itis = inflammation	inflammation of the pleura pleurisy
pleuralgia (i-DIN-ee-ah)	-dynia = pain	pain in the pleural cavity pleuralgia

ROOT trache/o		MEANING trachea; windpipe
	<i>Term Analysis</i>	<i>Definition</i>
tracheal (trah-TRAY-kee-al)	-eal = pertaining to endo- = within	pertaining to within the trachea
tracheostomy (trah-OS-toh-mee)	-stomy = new opening	a new opening into the trachea is created through the neck and a tube is inserted to assist breathing. The tracheostomy tube may be temporary or permanent (Figure 15-8)

Vital Sign Abbreviations

VS	Vital Signs
VSS	Vital Signs Stable
BP	Blood Pressure
HR	Heart Rate
P	Pulse
RR	Respiratory Rate
T	Temperature
SpO2/SaO2	Oxygen Saturation
Ht/Wt	Height/Weight
BMI	Body Mass Index

Thank
you

