



# Medical Terminology

## Respiratory System

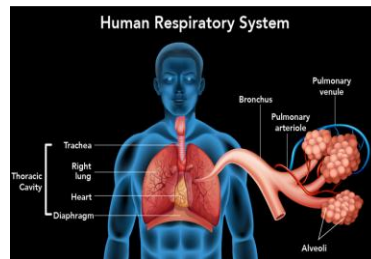
By  
**Assist. Prof. Dr Dler Gallaly**

PhD in Medical Physiology

Dept. of Physiotherapy  
Faculty of Applied Sciences  
Tishk International University  
Erbil, Iraq.  
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Mob.#: (+964) 750 461 87 58

Email: dler.qader@tiu.edu.iq



### Contents:

- Combining forms of Respiratory system
- Respiratory system anatomical terms.
- Respiratory System pathology, diagnostic procedures, therapeutic procedures.
- Selected abbreviations associated with the respiratory system.

## Objectives:

**By the end of this lecture, you should be able to:**

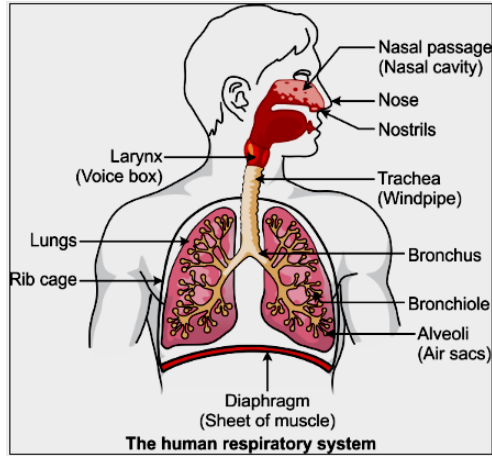
- Identify and define the combining forms.
- Identify and define respiratory system anatomical terms.
- Identify and define selected respiratory system pathology, diagnostic procedures, therapeutic procedures.
- Define selected abbreviations associated with the respiratory system.

## Introduction to the respiratory system:

- **The organs of the respiratory system are responsible for:**
  - ✓ Bringing fresh air into the lungs,
  - ✓ Exchanging O<sub>2</sub> for CO<sub>2</sub> between the air sacs of the lungs and the bloodstream, and
  - ✓ Exhaling the stale air.

## Organs of the respiratory system:

- The primary structures that comprise the respiratory system:
  - Nasal cavity
  - Trachea
  - Pharynx
  - Bronchial tubes
  - Larynx
  - Lungs



## Combining Forms of the Respiratory System:

Combining Form	Definition
alveol/o	<b>Alveolus:</b> a very small air bag in the lungs
bronch/o, bronchi/o	<b>Bronchus:</b> one of the two tubes that branch from the trachea.
pleur/o	<b>Pleura:</b> a thin membrane covering each lung
epiglott/o	<b>Epiglottis:</b> a small flat part at the back of the tongue.
laryng/o	<b>Larynx:</b> the hollow organ between the nose and the lungs.
nas/o, rhin/o	<b>Nose:</b> the part of the face above the mouth through which a person breathes and smells.
pharyng/o	<b>Pharynx:</b> the soft part at the top of the throat which connects the mouth & nose to the throat

### Combining Forms of the Respiratory System:

Combining Form	Definition
pneum/o, pneumat/o, pneumon/o	lung
pulmon/o	lung
sept/o	septum
sinus/o	sinus
thorac/o	thorax, chest, chest cavity
tonsill/o	tonsil

### Combining Forms of the Respiratory System:

Combining Form	Definition
aer/o	air
hal/o	to breath
capn/o	carbon dioxide
ox/i	oxygen
trache/o	trachea

### Combining Forms of the Respiratory System:

Combining Form	Definition
muc/o	mucus
son/o	sound
phon/o	sound, voice
spir/o	breathe, breathing

### Abbreviations:

Abbreviations	Meaning
COPD	Chronic obstructive pulmonary disease
RPD (or RLD)	Restrictive pulmonary (lung) disease
CPR	Cardiopulmonary resuscitation
CXR	Chest X-ray
TB	Tuberculosis
PFT	Pulmonary function test
VC	Vital capacity
O <sub>2</sub>	Oxygen
CO <sub>2</sub>	Carbon dioxide

## Exercises



Give the adjective form for each of the following structures.

1. The larynx ..... **Laryngeal** .....
2. The lung ..... **Pulmonary** .....
3. Beside the nose ..... **Paranasal** .....
4. An alveolus ..... **Alveolar** .....
5. The nose ..... **Nasal** .....
6. The diaphragm ..... **Diaphragmatic** .....

### What's the Abbreviation?

1. Tuberculosis .....
2. Chronic obstructive pulmonary disease .....
3. Oxygen .....
4. Carbon dioxide .....
5. Upper respiratory infection. ....
6. Vital capacity .....
7. Pulmonary function test .....

### Word Building Practice:

The combining form **rhin/o** refers to the nose. Use it to write a term that means:

1. Inflammation of the nose:
2. Discharge from the nose:
3. Surgical repair of the nose:

**Word Building Practice:**

The combining form **laryng/o** refers to the larynx (voice box).

Use it to write a term that means:

4. inflammation of the larynx
5. spasm of the larynx
6. visual examination of the larynx
7. pertaining to the larynx
8. removal of the larynx
9. surgical repair of the larynx

**Word Building Practice:**

The suffix **-pnea** means **breathing**. Use this suffix to write a medical term that means:

10. difficult or labored breathing
11. rapid breathing
12. can breathe only in an upright position
13. lack of breathing



**For each definition given below, Write its MEDICAL TERM :**

<b>Definition</b>	<b><u>Medical term</u></b>
1. Lack of sense of smell	
2. Breathing too slowly	
3. Paralysis of the larynx	
4. Abnormal flow of blood from the nose	
5. Abnormal voice	
6. Commonly called a sore throat	
7. Dilation of bronchi	

**For each definition given below, Write its MEDICAL TERM :**

<b>Definition</b>	<b><u>Medical term</u></b>
8. instrument to measure oxygen	
9. process of visually examining the voice box	
10. process to withdraw fluid from the pleura	
11. pertaining to heart and lung	
12. narrowing of the windpipe	

Break each of the following terms into its word parts. Give the meaning of each word part and then define each term.

■ **anoxia:**

- ✓
- ✓
- ✓
- ✓

■ **laryngoplasty:**

- ✓
- ✓
- ✓
- ✓

Break each of the following terms into its word parts. Give the meaning of each word part and then define each term.

■ **Cardiopulmonary resuscitation (CPR):**

- ✓
- ✓
- ✓
- ✓

■ **laryngoplegia:**

- ✓
- ✓
- ✓
- ✓

Break each of the following terms into its word parts. Give the meaning of each word part and then define each term.

■ **hypercapnia:**

✓

✓

✓

✓

■ **anosmia:**

✓

✓

✓

✓

## Questions and Comments:

