

**Culture Advantage**  
**Anatomy and Medical Terminology for Interpreters**

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## Culture Advantage

### RESPIRATORY SYSTEM TERMINOLOGY

Arterial blood gas (ABG)	Measures the levels of oxygen and carbon dioxide in the arterial blood.	inhaling (inspiration)	Breathing in oxygen
cyanosis	Bluish discoloration of the skin due to inadequate oxygen	exhaling (expiration)	Giving off carbon dioxide
sputum cytology	a study of phlegm (spit) cells under a microscope.	pleura	Covering of the lungs
bronchogenic carcinoma	A type of lung cancer	lobes	Sections of the lungs, right lung has 3 lobes, left lung has 2 lobes
Chronic bronchitis	Chronic inflammation of the bronchi, which results in increased mucus and expectoration	thyroid cartilage	or Adam's Apple.
Cystic fibrosis	An inherited disease in the glands that produce sweat and mucus.	Pneumonia	an inflammation of the lungs caused by bacteria, viruses or chemical irritants.
Asthma	A chronic, inflammatory lung disease involving recurrent breathing problem.	Pulmonary embolism	the blocking of the pulmonary artery by foreign matter from a blood clot or embolus
apnea	Absence of breathing	segmental or wedge resection	- to remove only a

			small part of the lung
pulmonary	Refers to the lungs	Tuberculosis (TB)	an airborne disease, chronic bacterial infection of the lungs
Total Lung Capacity	Total volume of air that the lungs can hold.	Suctioning	Used to obtain secretions and cells from the trachea and large bronchi.
Hiccup/singultus	spasmodic contraction of the diaphragm	Alveoli	Air sacs in the lungs where oxygen and carbon dioxide are exchanged.
Pneumothorax	Presence of air in the pleural cavity, often referred to as a collapsed lung.	Positive Pressure Ventilation (PPV)	Forcing gases down a patient's trachea using an automatic ventilator

### ANATOMY-RELATED TERMINOLOGY

Nose	Where air enters, warms the air as it enters the nasal cavity	Pleura	Covers the lungs and lines the thoracic cavity
pharynx	throat	tonsils	lymphoid tissue located behind the mouth
larynx or	"voice box"	adenoids	lymphoid tissue located behind the nose
trachea or	"windpipe"	Atelectasis	a collapsed lung.

bronchi	Cartilage rings that conduct air into the lungs	bronchoscopy	To look inside the lungs with a scope
lungs	Main organ of respiration	mediastinoscopy	Incision is made into the neck to remove a sample from the lymph nodes
diaphragm	is the main muscle of respiration located at the base of the thorax	lobectomy	Removal of entire lobe of a lung

### PREFIX, ROOT WORD, SUFFIX

Terminology	Prefix/Root Word	Root Word/Suffix	Meaning
dyspnea	Dys -difficult	Pnea -breathing	Difficulty breathing
hypoxia	Hypo -low Oxi -oxygen	ia -condition	Condition of low oxygen in the blood
hypocapnia	Hypo-low Capni - carbon dioxide	ia - condition	Low carbon dioxide in the blood
hypercapnia	Hyper -high Capni-	ia -condition	High concentration of carbon dioxide in the blood
Bronchoscope	Bronch -broncho	Scope -instrument to view	Instrument to examine the bronchi.
laryngitis	Laryng - larynx	It is -inflammation	Inflammation of the larynx.
rhinoplasty	Rhino -nose	Plasty -repair	Surgery to repair the

			nose
Rhinorrhea	Rhino -nose	Rrhea -flowing	Runny nose
pleurisy	Pleuro -pleura	Isy -inflammation	Inflammation of the pleura
Tachypnea	Tachy -fast	Pnea -breathing	Rapid breathing
Hemoptysis	Hemo -blood	Ptysis -coughing	Coughing blood from the lungs
Pulmonologist	Pulmon -lungs	Logist -specialist	Physician who specializes in lung disorders
Tracheotomy	Trache-trachia	Ostomy-opening	A surgical incision into the trachea

### EXPLAIN THE FOLLOWING TERMS

Apnea	Pulmonary emboli
dyspnea	pneumothorax
bronchoscopy	pleurisy
cyanosis	TB
atelectasis	tachypnea
Cystic fibrosis	hemoptysis
tonsillectomy	Pulmonologist
hypercapnia	tracheostomy
tracheitis	tracheotomy

## RESOURCES

Medical Dictionary <a href="http://www.nlm.nih.gov/medlineplus/mplusdictionary.html">http://www.nlm.nih.gov/medlineplus/mplusdictionary.html</a>
Medical Encyclopedia <a href="http://www.nlm.nih.gov/medlineplus/encyclopedia.html">http://www.nlm.nih.gov/medlineplus/encyclopedia.html</a>
Medline Plus Word Parts <a href="http://www.nlm.nih.gov/medlineplus/appendixa.html">http://www.nlm.nih.gov/medlineplus/appendixa.html</a>
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Wikipedia Root Words, Prefixes <a href="http://en.wikipedia.org/wiki/List_of_medical_roots">http://en.wikipedia.org/wiki/List_of_medical_roots</a>