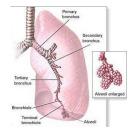
RESPIRATORY EXAM - THE CHEST EXAM

Remember "IPPA":	POS	TERIOR	CHES	T	ANTERIOR CHEST			
INSPECT	Position: Patient sitting, (arms cros			sed on shoulders)	Position: Patient Supine			
Don't miss any	Anterior and Posterior, assess:							
abnormalities	 Contour, asy 	Contour, asymmetry, Skin						
	 Rate, rhythr 	hm, depth and effort of breathing						
PALPATE			a) Feel for tenderness and/or abnormalities					
	T10		b) CH	IEST EXPANSION		Xiphoid Process		
				aise skin folds betw	een thumbs			
	x4		-	ACTILE FREMITUS		x 3		
	• say "99", use ulnar surface of				urface of hand			
PERCUSS	x 7		a) T	AP USING DIP Join	nt	x 6		
Lightly tap chest								
to detect	b) Diaphragmatic I	The state of the s						
resonance.		→ max inspiration						
AUSCULTATION	x 7				N, DEEP BREATHS,	x 6		
Listen to breath	TC1 (1 1	LISTEN TO INSPIRATION & EXPIRATION						
sounds using	If breath sounds are abnormal, repeat auscultation, however, have patient say "99", "ee" each time the							
stethoscope	a) Bronchophony	makes contact with the patient's skin. Phony Patient Normal: clarity of "99" decreases as you auscultate to peripheral lung						
	a) bronchophony	say "99		fields				
		say 11		Abnormal: in pneumonia, where there is consolidation (fluid) in the lungs,				
				there is medium for sound to travel and "99" will sound clear.				
	b) Egophony					1		
		say "ee	e"	Abnormal: If it's abnormal, you will hear higher pitched sound, "ee" will				
	c) Whisper	actually sound like "aaa" → this indicates consolidation (fluid in the lungs) Patient Normal: "1, 2, 3" should not be discernable on auscultation						
	Pectoriloquy	whispe		Abnormal: e.g. pneumonia, where there is fluid in the lungs, there is a medium for sound to travel and "1, 2, 3" will sound clear and loud.				
	1 color noquy	"1, 2, 3."						

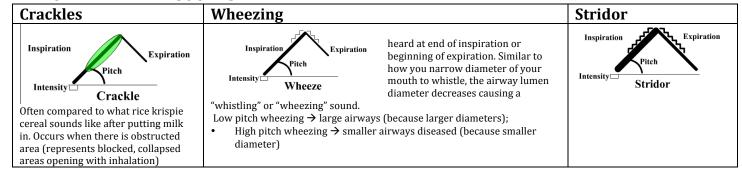
NORMAL BREATH SOUNDS: Vesicular, Bronchovesicular Bronchial, Tracheal

<u>Pearl:</u> The respiratory system is composed of a network of airways. What breath sound you hear will depend on what area of the chest you auscultate. Each area of the chest has a different "normal" breath sound. (e.g. Over the trachea located over the middle of the chest, which has a large diameter, the breath sounds are loud and harsh & heard during inhalation and exhalation, while vesicular sounds are very soft because the diameter of that airway is very small, and often only heard when patients inhale). The larger the diameter, the louder and more low pitched the sound of air through the airway. The smaller the diameter, the softer and higher pithed the sound of air through the airway.



Vesicular (A+P)	Bronchovesicular (A + P)	Bronchial (Anterior)	Tracheal
Inspiration Pitch Intensity Vesicular Small Airway	Inspiration Pitch Intensity Bronchovesicular Small to Medium airway	Inspiration Pitch Intensity Bronchial Medium airway	Heard over the trachea. Sounds like air being blown through pipes. Large airway

ABNORMAL BREATH SOUNDS:



References:

- Bickley, L. Bates' Guide to the Physical Examination And History Taking. 10th ed. 2008.
- http://www.cvmbs.colostate.edu/clinsci/callan/breath_sounds.htm

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