

Lung Anatomy

Introduction

If you are learning patterns of collapse and consolidation you <u>must</u> learn the lobar anatomy and fissures of the lung first. One of the difficulties with learning lobar anatomy is that the descriptive terms (upper, middle and lower) are very approximate to the point of being misleading. Consider the size and shape of the right lower lobe shown below. It could have been justifiably named the posterior lobe rather than the lower lobe!

Right Lung

The right lung has 3 lobes and two fissures

Lobes

Right Upper Lobe (RUL) Right Middle Lobe (RML) Right Lower Lobe (RLL)

Fissures

Major Fissure (aka oblique fissure) minor fissure (horizontal fissure)

The lobes of the lung are further divided into segments. If you are a high achiever, you could learn the segments of the lobes. This can be useful when interpreting consolidation patterns on plain film chest X-ray images- involvement of different segments of a lobe will produce different patterns of consolidation.



The Right Upper Lobe





The Right Middle Lobe





The Right Lower Lobe





The Left Lung





The left Lung is Comprised of two lobes which are divided by one fissure Lobes

Left Upper Lobe (LUL) Left Lower Lobe (LLL)

Fissures

Major Fissure

The Left Upper Lobe (LUL)





The Left Lower Lobe





Why is the Horizontal Fissure not always Seen on PA/AP Chest Images?



normal random variation in the way patients stand, patients with large protruding stomachs will tend to lean forward for erect PA chest radiography. A third factor is the presence of disease which either pushes or pulls the fissure.

How do you distinguish between the right and Left Oblique Fissures on a Lateral Chest Image?





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