Title of Course - Radiological Features of Pneumonia

Course Code: NPIAS-SEC-002

Objective: It will enhance knowledge of radiological features of pneumonia that will help in accurate diagnosis by radiological techniques.

Syllabi of Course:

Pneumonia Diagnosis of Chest X-ray   6 Hrs.

Consent form taken from a different Patient.

Morphologic Patterns of Pneumonia   6 Hrs.

Looking at the fluid level and any lobe of the lungs affected from Pneumonia.

Finding of pneumonia by CT Scan [Computed Tomography]   6 Hrs.

CT showing multiple random nodules of varying size in a patient with Varicella pneumonia. Computed Tomography Plays a vital role in finding the Pneumonia case which affects the lungs of several lobules.

Community-Acquired Pneumonia in radiology Diagnosis   6 Hrs.

Organisms most commonly causing CAP pneumonia in previously healthy patients include Gram-positive bacteria such as Streptococcus pneumonia and atypical bacteria such as Mycoplasma pneumoniae and Legionella pneumophila.

High KV Technique   6 Hrs.

X- Ray Imaging plays an important role in the management of pneumonia. Knowing the clinical background and correlation with imaging by using High KV Technique, Magnification, and correct patient position techniques.

Suggested Reading:

Gharib, A. M., & Stern, E. J. (2001). Radiology of pneumonia. *Medical Clinics, 85*(6), 1461-1491.

Koo, H. J., Lim, S., Choe, J., Choi, S. H., Sung, H., & Do, K. H. (2018). Radiographic and CT features of viral pneumonia. *Radiographics, 38*(3), 719-739.

Vilar, J., Domingo, M. L., Soto, C., & Cogollos, J. (2004). Radiology of bacterial pneumonia. *European journal of radiology, 51*(2), 102-113.

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