

Image in Medicine

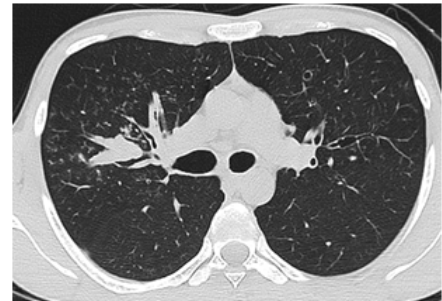
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Quiz 1

A 35-year-old known Asthmatic, presented with cough with expectoration since 1 month.

Questions :

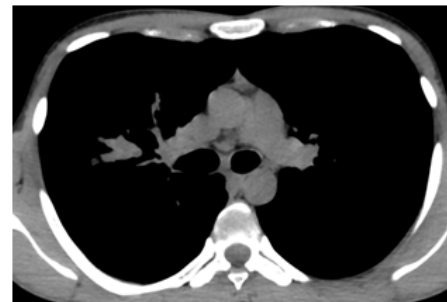
- (1) What is the Diagnosis ?
- (2) What is the Pathology of this condition?



Answers :

(1) Tubular Bronchiectasis is seen in right upper lobe with endoluminal hyperdense impaction which shows V-Y branching pattern (finger in glove sign) with surrounding centrilobular nodules, these findings are suggestive of Allergic Bronchopulmonary Aspergillosis (ABPA).

(2) Allergic Bronchopulmonary Aspergillosis (ABPA) is a hypersensitivity response towards *Aspergillus (fumigatus)* species, which grows within the lumen of bronchi without invasion. It usually affects asthmatic and atopic patients. Microscopically the dilated bronchi are filled with mucus admixed with eosinophils, fungal hyphae and Charcot-Leyden crystals.

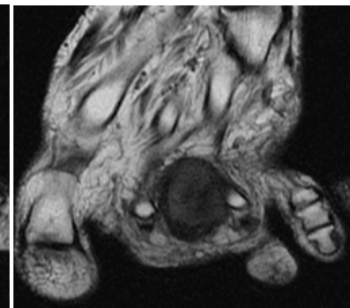
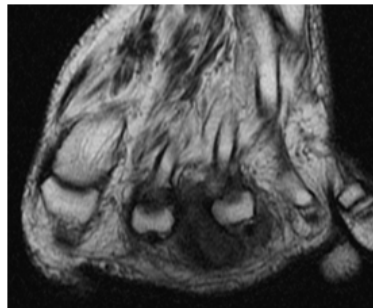


Quiz 2

A 44-year-old male presented with painful gradually increasing swelling in intermetatarsal space and dorsum of foot.

Questions :

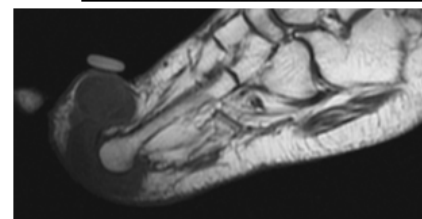
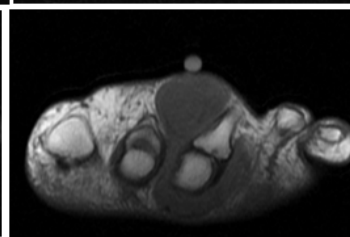
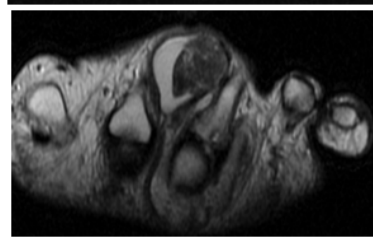
- (1) What is the Diagnosis ?
- (2) What is the Pathology?



Answers :

(1) A well defined dumb-bell shaped low signal intensity lesion with surrounding fluid intensity is seen in 2nd and 3rd web space which extends into plantar and dorsal aspect of foot. No erosion of adjacent bone is seen. These imaging findings are in favour of Morton neuroma with intermetatarsal bursitis.

(2) Morton neuroma is due to perineural fibrosis around plantar digital nerve. It is thought to be due to chronic entrapment of the nerve by the intermetatarsal ligament.



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