

PATHOLOGY OF BRONCHIAL ASTHMA



- ▶ **Morphologic Features – Grossly –** The lungs are over distended due to over inflation. The cut surface shows characteristic occlusion of the bronchai and bronchioles by viscid mucus plugs.

▶ **Microscopically –**

- ▶ 1. The mucus plugs contain normal or degenerated respiratory epithelium forming twisted stripes called curschmann's spirals.
- ▶ 2. the sputum usually contains numerous eosinophils called charcot-Leyden crystals.

- ▶ 3. the bronchial wall shows thickened basement membrane of the bronchial epithelium, sub mucosal edema and inflammatory infiltrate consisting of lymphocytes and plasma cells with prominence of eosinophils. Hypertrophy of the sub mucosal glands and bronchial smooth muscle.