

BRONCHIECTASIS

ETIOLOGY

Airway abnormality

- Pneumonia
- Airway obstruction by tumor or foreign body

Congenital disorder

- Cystic fibrosis
- Primary ciliary dyskinesia

- Alpha-1 antitrypsin deficiency phenotyping
- Mounier–Kuhn, Williams–Campbell, and Ehlers–Danlos syndromes

Immunodeficiency

- Common variable immunodeficiency
- Acquired immunodeficiency
- HIV infection
- Hematologic cancer

Autoimmune disorder

- Rheumatoid arthritis
- Sjögren’s syndrome
- Systemic sclerosis
- Inflammatory bowel disease

Aspiration syndrome

- Vocal cord disease or dysfunction
- Esophageal disease or dysmotility

Allergic bronchopulmonary aspergillosis

COPD – Asthma

WORKUP

History, prior imaging review, bronchoscopy

Sweat chloride testing, CFTR mutations
Reduced nasal nitric oxide, genetic testing, ciliary dysfunction evaluation
Alpha-1 antitrypsin levels and

CT findings

Immunoglobulin levels, HIV antibody and viral load, antibody tests before and after vaccination

Anti-cyclic citrullinated peptide, RA, ANA

MBS, esophageal motility testing

Aspergillus-specific IgE, aspergillus skin-prick testing, IgE level

PFTS