Allergic Bronchopulmonary Aspergillosis (ABPA) and Cystic Fibrosis

| Adding 
tomorrows
every day.

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Allergic Bronchopulmonary Aspergillosis (ABPA) and Cystic Fibrosis

Jeffrey S. Wagener, M.D.
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Symptoms of ABPA

- Increased cough
Symptoms of ABPA

• Increased cough
• Increased sputum (often grey/brown color)
Symptoms of ABPA

- Increased cough
- Increased sputum (often grey/brown color)
- Exercise intolerance
Symptoms of ABPA

- Increased cough
- Increased sputum (often grey/brown color)
- Exercise intolerance
- Bronchospasm
Symptoms of ABPA

• Increased cough
• Increased sputum (often grey/brown color)
• Exercise intolerance
• Bronchospasm
• Reduced pulmonary function
Symptoms of ABPA

- Increased cough
- Increased sputum (often grey/brown color)
- Exercise intolerance
- Bronchospasm
- Reduced pulmonary function
- Poor response to therapy for other CF related pulmonary infections
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Diagnosis of ABPA

• High index of suspicion
Diagnosis of ABPA

- High index of suspicion
- Poor response to standard therapy
Diagnosis of ABPA

• High index of suspicion
• Poor response to standard therapy
• New changes on chest imaging
Diagnosis of ABPA

- High index of suspicion
- Poor response to standard therapy
- New changes on chest imagining
- Elevated IgE
Diagnosis of ABPA

- High index of suspicion
- Poor response to standard therapy
- New changes on chest imagining
- Elevated IgE
- Positive skin test or specific IgE
Diagnosis of ABPA

- High index of suspicion
- Poor response to standard therapy
- New changes on chest imaging
- Elevated IgE
- Positive skin test or specific IgE
- Positive IgG antibodies
Diagnosis of ABPA

• High index of suspicion
• Poor response to standard therapy
• New changes on chest imaging
• Elevated IgE
• Positive skin test or specific IgE
• Positive IgG antibodies
• ± positive cultures for Aspergillus
Treatment for ABPA

- Systemic steroids
Treatment for ABPA

• Systemic steroids
• Anti-fungal antibiotics
  – Itraconazole – need to follow levels
  – Voriconizole
Treatment for ABPA

• Systemic steroids
• Anti-fungal antibiotics
  – Itraconazole – need to follow levels
  – Voriconizole
• Other
  – Anti-IgE therapy (omalizumab)
  – Pulse steroids (monthly)
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CF Care Guidelines - Respiratory

Because healthy lungs are important for a long life for people with CF, the Foundation has developed in-depth guidelines covering several topics. Below is information on the CF care guidelines for maintaining respiratory health.

- Chronic Medications for Lung Health Maintenance
- CF Airway Clearance Therapies
- Pulmonary Exacerbations
- Pulmonary Complications
- Allergic Bronchopulmonary Aspergillosis (ABPA)
- Lung Transplants

Chronic Medications for Lung Health Maintenance

People with CF now have a number of drugs available to keep their lungs healthy. The guidelines describe the science behind the recommendations for use of:

- Inhaled antibiotics
- Dornase alfa
- Azithromycin
- Hypertonic saline
- High-dose ibuprofen

Care Guidelines

- “Chronic Medications for Maintenance of Lung Health”
  Am J Respir Crit Care Med 2007;176:957-969

Information for People with CF and their Families
Thank You

• ...for watching
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