COPD

General

1. COPD airflow obstruction
   1. Chronic Bronchitis long term cough with mucous
   2. Emphysema destruction of lungs (maybe thorough smoking)
2. Asthma inflammation

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| --- | --- | --- |
| Comparison of COPD and Asthma | | |
| Criteria | **COPD** | **Asthma** |
| Onset | Late 40’s in smokers and former smokers | Childhood and adolescence |
| Cells | Neutrophils, macrophages, CD 8+ | Eosinophils, macrophages, CD 4+ |
| Reversibility | No response to inhaled beta agonists | 10% or greater increase in FEV1 with beta agonist |
| Chronicity | Symptomatic on most days | May have extended periods without symptoms |
| Site of disease | Peripheral airways, lung parenchyma, pulmonary vessels | Proximal airways |
| Response to therapy | Small bronchodilator response, poor steroid response | Large bronchodilator response, good response to steroids |
| Cough, Shortness of Breath and Wheezing | Present | Present |

Calculating Pack years

Pack years = Packs per day \* Years

0%----------------------30%--------------------------50%---------------------------80%----------------------100%

IV III II I

