

# Respiratory System Disorder

Unit -2 (Section-B)

Respiratory System disorders

\* Asthma → (CAT1)

**Unit -2 (Sec-B)**

Types of Asthma →

Asthma is various types

1) Extrinsic

2) Intrinsic Asthma

3) Extrinsic Asthma

Pharmacotherapeutics || D Pharm 2nd Year

Unit - 2 (Section-B)

Respiratory System disorders

\* Asthma - (CAH)

\* Definition →

- ಸ್ವಲ್ಪ bronchi asthma ನಿಲ ಅಂದೆ ತಿ
- Asthma ನಿಲ ಸ್ವಲ್ಪ condition ಅಲ್ಫ ತಿ  
ತಿ ನಿಲವ್ ಪಾಸನ್ ಎರ್ airways  
narrow, inflamed, and swell ತಿ  
ನಿಲರ್ ತಿ and- extra mucus  
produce ಎರ್ ತಿ

\* Types of Asthma →

Asthma ನ್ನಿ various types  
ತಿರ್ ತಿ -

- 1) Extrinsic Asthma
- 2) Intrinsic Asthma.
- 3) Adult-onset asthma.
- 4) Status Asthma.
- 5) Exercise induced Asthma.
- 6) Occupational Asthma.
- 7) Drug induced Asthma
- 8) Cough variant Asthma.
- 9) Eosinophilic Asthma.  
the

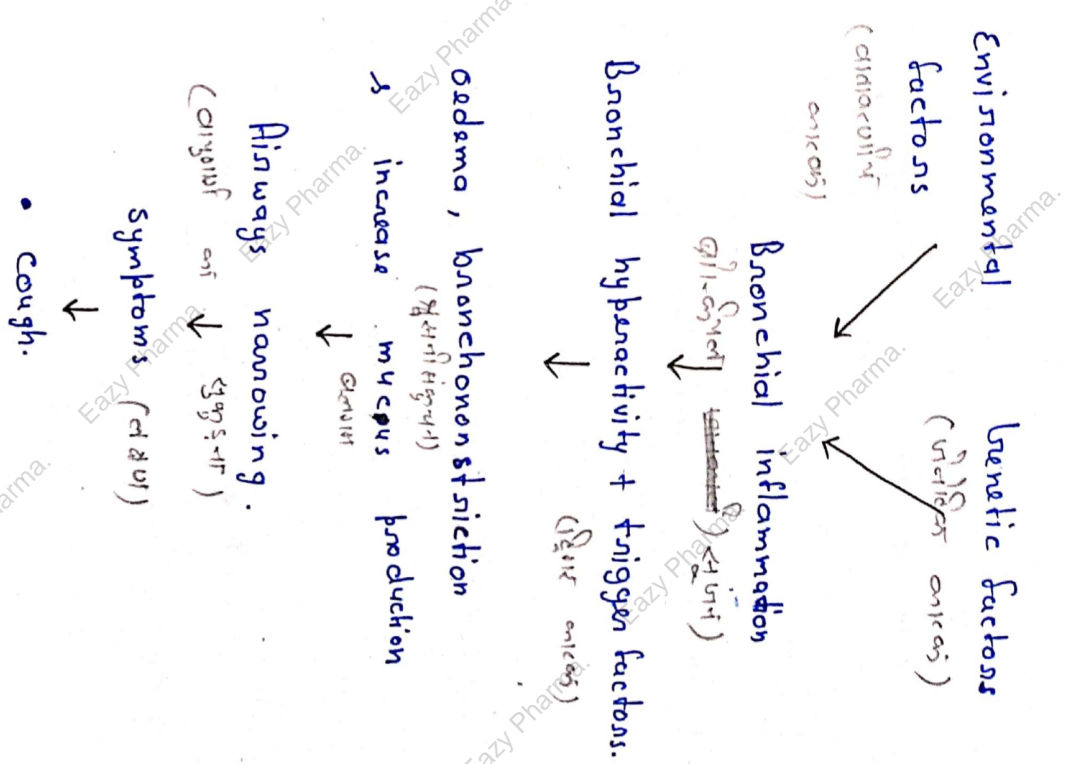
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## \* Etiology (कारण) →

- Asthma or clean causes are
  - ↳ Unknown & -
- but following allergens are
  - season भर भर भर & -
  - Indoor allergens
    - ↳ Jila - House dust, pollution etc...
  - outdoor allergens.
  - Air pollution.
  - Tobacco smoke
  - workplaces or chemicals.
  - Histamine, NSAIDs,  $\beta$  blockers
    - ↳ ak-

## \* Pathogenesis (विकास) →



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- Wheezing. (एअरिड)
- Breathlessness (कॉरनरिंग)
- chest tightness. (कॉरनरिंग में असुविधा)

\* clinical Manifestations →

- cough
- कंठ में अशुविधा
- Breathlessness (कॉरनरिंग)
- wheezing (एअरिड)
- etc.....

\* Non - Pharmacological Management →

- avoid smoking.
- Change lifestyle.

- Avoid  $\beta$  - blockers.
- Aspirin, NSAIDs अशुविधा/असुविधा
- work place change असुविधा/असुविधा
- etc.....

\* Pharmacological Management →

- Bronchodilators →  
eg - salbutamol, Terbutaline,  
Salmeterol  
etc....
- corticosteroids → prevent inflammation  
eg - Hydrocortisone,

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• Fluticasone.

• Propionate.

etc.....

3) Methylxanthines →

eg → Theophylline, Aminophylline,

Hydroxyethyl theophylline,

Doxophylline etc....

etc.....

(complete)

Thank you 😊

\* COPD -

Chronic obstructive Pulmonary

disorder

\* Definition →

• COPD and other name

एक ही नाम है.

जैसे: cold, COPD, Cal and COPD.

• COPD Lung disease and

group एयर है and airflow and

block and and एयर

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- $\text{NI}^2$  patients Asthma, diabetes, and weak immune system  
and  $\text{NI}^2$   $\text{E}^2$   $\text{Z}^2$  COPD chances  $\text{NI}^2$   $\text{E}^2$   $\text{Z}^2$  etc.....

\* Pathogenesis  $\rightarrow$  (വിശദീകരണം)

Due to aetiological factors (കാരകങ്ങൾ)  
Diseases - (Infection, Pollution, other risk factors)  
 $\downarrow$   
Inflammation occurs in bronchial tubes (bronchitis) (മുട്ടി-മുട്ടി)  $\downarrow$  (മുട്ടി-മുട്ടി)

Increase mucus secretion  
 $\downarrow$   
swelling and excessive mucus (മുട്ടി-മുട്ടി) blocks the bronchial tubes (മുട്ടി-മുട്ടി)  
 $\downarrow$   
Bronchitis (Patient may be unable to breathe easily.) (മുട്ടി-മുട്ടി)  
 $\downarrow$   
if inflammation remains for long time. (മുട്ടി-മുട്ടി)  
It may destroy the alveoli tissue  
 $\downarrow$   
Emphysema. (COPD) (മുട്ടി-മുട്ടി)  
 $\downarrow$   
Bronchitis + Emphysema (COPD)

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\* Clinical Manifestations →

- Wheezing (expiratory)
- $\text{COPD}$   $\text{H}^+$   $\text{anion}$
- $\text{COPD}$   $\text{H}^+$   $\text{anion}$
- Energy  $\text{H}^+$   $\text{anion}$
- weight loss.
- etc.....

\* Non-Pharmacological management →

- Smoking avoid  $\text{anion}$
- Lung therapy  $\text{H}^+$
- Nutrition advice  $\text{H}^+$
- Avoid Alcohol.

• Profession change  $\text{anion}$

etc.....

\* Pharmacological Management →

1) Bronchodilators →

like → Anti-cholinergic

→  $\beta_2$  sympathomimetics

2) corticosteroids →

• Anti-inflammatory  $\text{anion}$

$\text{anion}$   $\text{H}^+$

• like → fluticasone.

→ Budesonide.

3) Antibiotics →

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Sila - Azithromycin, Levofloxacin,

Cefixime etc...

etc.....

(complete)

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**THANK YOU.**

**By Dr Firoz khan**

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