**DRUGS FOR ASTHMA AND COPD**

**Beta-2 Agonist:**

Short acting (< 6hrs): Salbutamol, Terbutaline.

Long acting (6-12hrs): Salmetrol, Formoterol.

Adverse Reactions:

**3 Ts**

Tremors, Tachycardia, Tolerance.

**2 H**

Hypokalemia, Hperglycemia.

**Methyl Xanthines:**

**T**heo**PH**yll**I**ne:

1. Increase in cAMP by inhibiting PDE III.
2. Blockade of adenosine receptors.

Adverse reaction: TIP-HC Remember this as................... TIPs for Hypo..Convulsions

T-**T**remors

I-**I**nsomina

P-**P**alpitations

H-**H**ypotension

C-**C**onvulsions.

**Anti-cholinergic:**

 Bronchodilator drug of choice in COPD (more effective than beta-2 agonist).

Ipratropium **B**romide

**S**cratching of trachea, **B**ad taste, **D**ryness of mouth,

To remember say: **SB-D**..........**S**tate **B**ank of **D**ry.

**Mast cell Stabilizers:**

Stabilizes mast cell membranes and inhibits release of mediators.

Used primarily as prophylactic for:

* Allergic bronchial asthma.
* Allergic rhinitis, Spring catarrh, Aphthous stomatitis, food allergy.

Sodium Cromoglycate

Adverse reactions: Can be remember as **BON** As **H**eadache

**B**ronchospasm laryngeal, **O**edema, Anaphylaxis **N**ausea, **H**eadache aggravation of asthma.

**Corticosteroids: CorticOoooo.......!**

Inhalational steroids: beclomethasone, budenoside.

Adverse reactions: **O**ropharyngeal candidiasis.

Systemic steroids: Hydrocortisone, Prednisolone.

Adverse Reactions: **D**ryness, **I**tching. Remember as **DI**

Leukotriene inhibitors: Zileuton, Montelukast, Zafirlukast.

Drug of Choice for Aspirin induced asthma

Adverse reaction: **C**hurg Strauss Syndrome.