

Anti-histamines

1st gen

* H₁ Receptor antagonist Anti-histamine (allergy)

* H₂ receptor antagonist: (peptic ulcers)

Cimetidine

C.R.Fam

Ranitidine

Famotidine

* H₃ Receptor antagonist:

Bethistine Migraine disease, obesity, depression

Histidine decarboxylase Histamine transferase / Diamine oxidase myelinated imidazole carboxylic acid

* Inhibitors of histamine release: (eye infections, mild asthma, mastocytosis) Hay fever

Cromolyn Sodium / Nedocromil Sodium / Ketotifen (inhalation eye drops orally)

* No bronchodilation *

General uses:-

* Allergic reactions, motion sickness, sleep aids

Effects:

* Sedation, anti-cholinergic effect, teratogenic effect, convulsion and coma

1st generation anti-histamines cause sedation

~~Diphenhydramine / Promethazine~~

Chlorpheniramine / Diphenhydramine / Dimenhydrinate / Promethazine / Chlorpheniramine / Diphenhydramine / Dimenhydrinate

الصبار كافور دارجون العسل

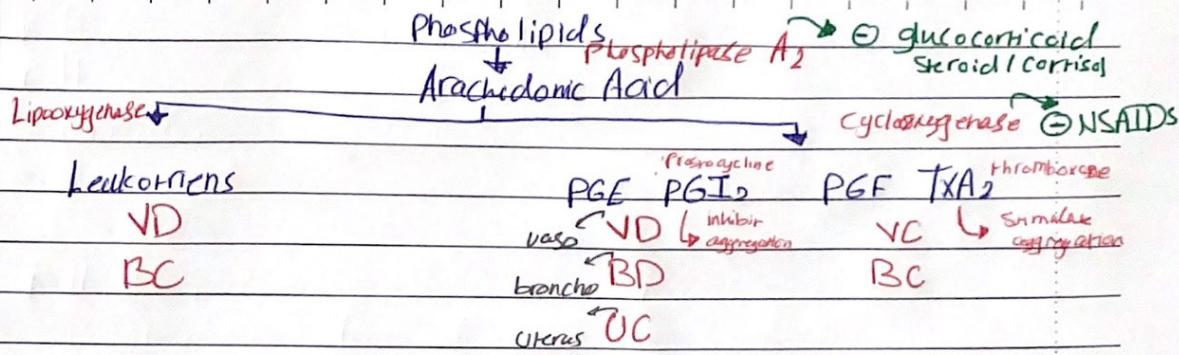
Cyclazine
Ciproheptazine

Triperazine
Triprolidine

Promethazine Pyralmine

2nd generation Non-Sedation

Cetirizine Desloratadine Astemizole Fexofenadine / Loratadine
Zyrtec Disney Istanbul Fexofenadine / Loratadine



* NSAID contraindicated for asthma patients

* Steroids are contraindicated for patients with peptic ulcer disease

* Phospholipase A₂ inhibitor:-

فينو دكتور الخير؟ نزل الجلوكون في في
antimalaria Glucocorticoids anesthetics Phenothiazine

* Cyclooxygenase inhibitor:-

Non-Selective: COX1/COX2

Aspirin, Ibuprofen, Indomethacin, Piroxicam, Diflunisal,

Selective: COX2 → Anti-inflammatory

Nabumetone → Meloxicam

Nimesulide

→ Rofecoxib, Etoricoxib, Valdecoxib

* Thromboxane synthase inhibitor:- → For vasodilation

Dazoxime → Dazoxime → Hydralazine

* Lipoxygenase inhibitor

Zeluton

بروكين

→ Bronchial asthma

* Leukotriene antagonist

Montelukast → Zafirlukast → Zafirlukast

Notes اسپرین +

Aspirin:-

- * Inhibits vascular cyclooxygenase reversibly and platelet cyclooxygenase irreversibly. Best antiplatelet.
- * Prostaglandin Thromboxane
- * Anti-inflammatory effect.
- * Inhibit cyclooxygenase and lipoxygenase Enzyme.
- * Analgesic, antipyretic, Anti inflammatory, antiplatelet.

Prostaglandins analogs :- (Labor inducer/ Abortion) / Peptic Ulcer

* Abortion:-

IV \leftarrow Denuprostone \rightarrow Dinoprostan دينورستون
IV \leftarrow Denuprost دينورست \rightarrow gemeprost جمپروست

* Peptic Ulcer

Mesoprostole

* Raynaud's disease, anti-platelet, peripheral vascular disease.

Epoprostenol \leftarrow EPO / Ipo \rightarrow Lipro prost ليبروست

* Keeping Digital Arteriosclerosis

Alprostadil

(جع) his heart gelé

* Post partum hemorrhage

Carboprost

(كارب) الول الالتوخو