

⊙ Metronidazole $\xrightarrow{\text{علاج}}$ rosacea
antiparasite kill Demodex

⊗ anti inflammatory \Rightarrow ↓ PMN

⊗ ابعده عن العين

s.e: dryness, burning, stinging.

⊙ Systemic therapy

oral antibiotic

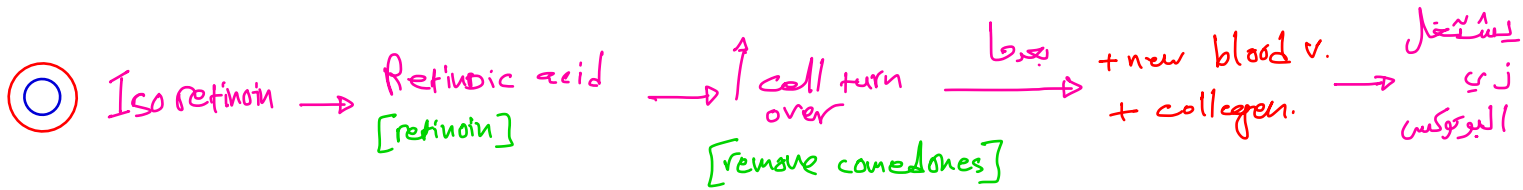
- Tetracycline 2
- Doxycycline 2
- Minocycline 1
- Erythromycin 2

Isotretinoin

s.e:

1. Teratogenic
2. Mucosal dry
3. photosensitive
4. arthralgias
5. liver enzymes
6. Lipid ↑
7. Tumorigenic in animals.
8. dryness in body and eye.

⊗ ما ينعطى إلا للضرورة



⊙ Drugs for psoriasis



1. Acitretin vit. A oral

- teratogenic, hepatotoxic
- ~~pregnant~~, ~~blood donate~~

2. Tazarotene Topical

- anti \rightarrow proliferative \rightarrow inflammatory
- Teratogenic, cause edema
- burning, stinging, peeling, erythema

3. calci potene

vit. D₃

○ New drugs for psoriasis



Deucravacitinib

Raflumilast

في إبريل ميليشيات القائد رافلو، اخذوا تاپي (البرو) من الروف وشربوا ديو

Tapinarof

Apremilast

1. Apremilast
arthritis

يغزبن

PD4 → TNFα from rheumatoid synovial cells.

side effects: كل اتي

2. Deucravacitinib
plaque psoriasis
أفوصو

Inhibition
TK2

side effects: lance

2. runny nose, congestion
sore throat,
sore on mouth, lips, gum, tongue,
roof of the mouth.

3. Raflumilast
chronic plaque psoriasis

- ↓ PD4
- anti inflammatory

4. Tapinarof
Topical
one daily

Immune Modulation skin barrier normalisation, anti-oxidant.

○ Biological Drugs for psoriasis

Alefacept
CD2 + IgG1
Immuno suppressive

Etanercept
TNFα + IgG1

○ Topical corticosteroids

- Hydrocortisone
- prednisolone
- methylprednisolone
- Dexamethasone, betamethasone
- Triamcinolone
- Fluocinonide

- - Treat psoriasis
- ↑ concn. الجلد
- Intralesional injection
[Triamcinolone]

Disorders to be healed:

- Atopic
 - seborrheic
 - allergic contact
 - eczematous
- dermatitis
- psoriasis
 - pruritus ani
 - Lichen simplex chronicus

Adverse effects

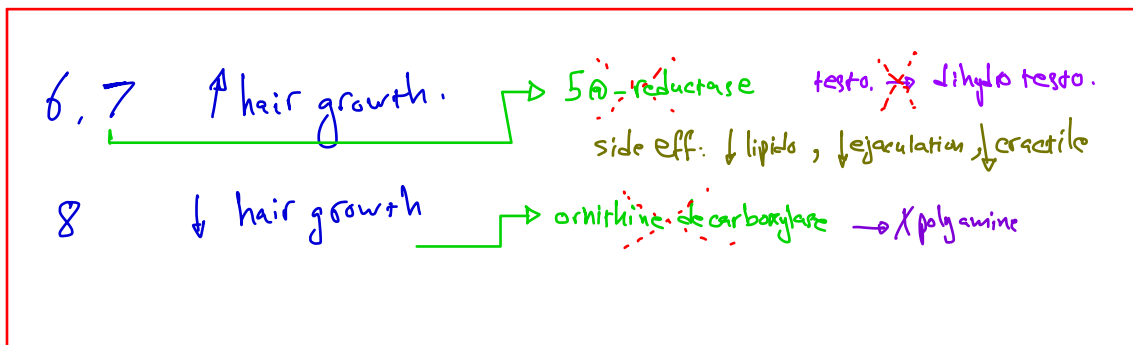
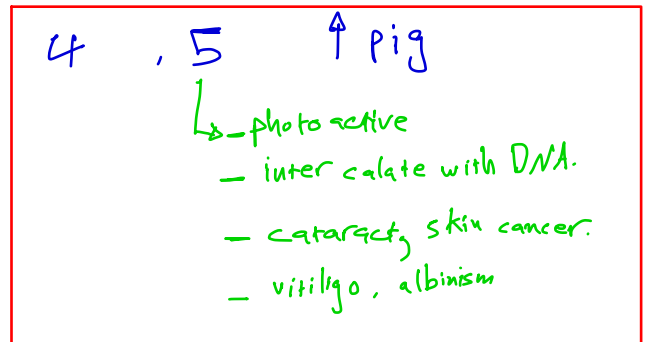
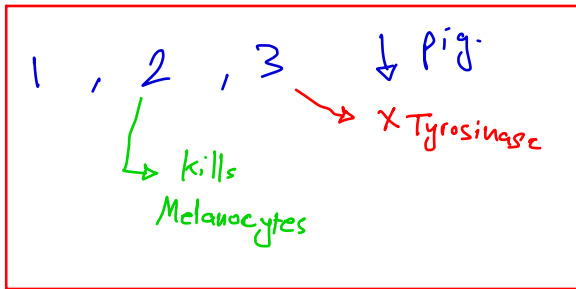
- Allergic contact dermatitis
- erythema
- infection
- Acne
- pustules
- skin atrophy
- ↓ pituitary axis
- systemic
- hypopigmentation.

Pigmentation

حيدر أعطى هديل منه بنزين من مكة، ع شان تجرب سيارة ميثو، لما هديل شافت ما في ناس ركبت السيارة وأفلت الباب.

⑧ eflornithine
⑥ minoxidil
⑭ Trioxsalen
② Mono benzene

⑦ Finasteride
⑤ Methoxsalen
③ Mequinol
① Hydroquinone



NSAID

Corticosteroides antiinflammatory.

calcitriol → LTB₄ → fibrocyte

Asthma drugs: - zileuton + corticosteroides
 - montelukast }
 - pranlukast }
 - zafirlukast }
 β agonist.

COX₁ const. GI. Tra.
 → PGE₂
 → Throm.
 → PGI₂

COX₂ inducible Macrophages.
 → PG
 → proteases
 → R.O.S

Anti inflam → ~~PG~~ → ~~Vasodilation~~ → ~~edema~~
 → ~~Adhesion Molecules~~ → ~~Accumulation of cells~~

Analgesic → ↓ PG → ↓ nociceptive nerve ending (bradykinin, histamine)
 → headache → ↓ Vasodilation.

Antipyretic → Thermoregulatory centers in hypoth.

⊗ pyrogens : IL-1β, TNFα, IL-6

⊗ Aspirin → bronchoconstriction [Asthma]

⊗ Aspirin → colon cancer

⊗ Aspirin → ↓ Thrombosis, MI, Ischemia.

⊗ Aspirin → ↓ PG → GI ulcer
 omeprazole, lansoprazole, pantoprazole : PPI

⊗ Aspirin → 8-12 h. platelet : 8-10 days

⊗ Aspirin → kidney: retention Na⁺ and water → edema, hyperkalemia

Common Adverse Effects

- Platelet Dysfunction
- Gastritis and peptic ulceration with bleeding (inhibition of PG + other effects)
- Acute Renal Failure in susceptible
- Sodium+ water retention and edema
- Analgesic nephropathy
- Prolongation of gestation and inhibition of labor.
- GIT bleeding and perforation

Adverse effects:

1. GI
- bleeding, perforation.
 - epigastric distress.
 - Mucosal cell damage

2. Hypersensitivity

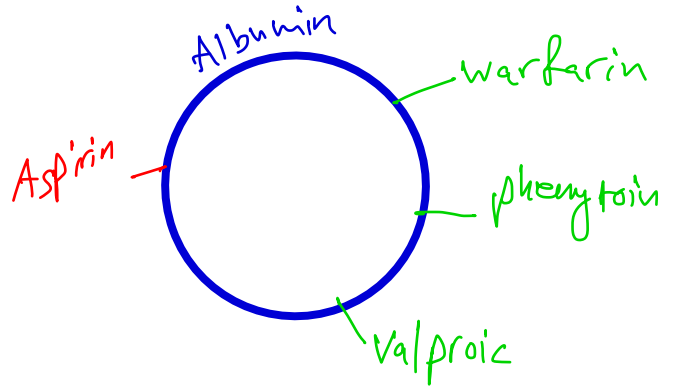
- bronchoconstrict, angioedema
- Urticaria, anaphylactic shock

3. Reye's syndrome

- hepatitis
 - cerebral edema
 - Rash, vomiting
 - hypoglycemia
- So

paracetamol
Aspirin for children with viral in.

⊗ Aspirin + ketorolac = GI ulcers



⊗ Toxicity: N. H. d. T. V. hypot. MC.
salicylism

Maximum dose of Aspirin for antiplatelet is 100mg
= = = Acetaminophen is 4 grams, 8 pills

doctor said ~~ugh~~

⊗ Ibuprofen & Naproxen

- cause MI, Thrombosis
- reversible
- head., T, d
- cat. C, Cat. D 3rd
- GI issues

⊗ piroxicam, meloxicam

- R.A, Anky. span., O.A. cox2 more
- pill today. grin

⊗ Diclofenac

P > 16

> naproxen. - R.A, O.A

grin

⊗ Fenamate → hemolytic anemia X grin

⊗ Acetaminophen

Not: anti-inflammatory.
anti platelet
ulcerogenic
Teratogenic

A. eff: 1. hepatic Necrosis.
2. Renal tub. necrosis.
3. hypoglycemic coma.

- N-acetylaminobenzoyl
glutathione.
antidote: N-acetyl cysteine.

⊗ celecoxib

COX₂ inhibitor

- renal failure
- Thrombotic event → rofecoxib
→ valdecoxib