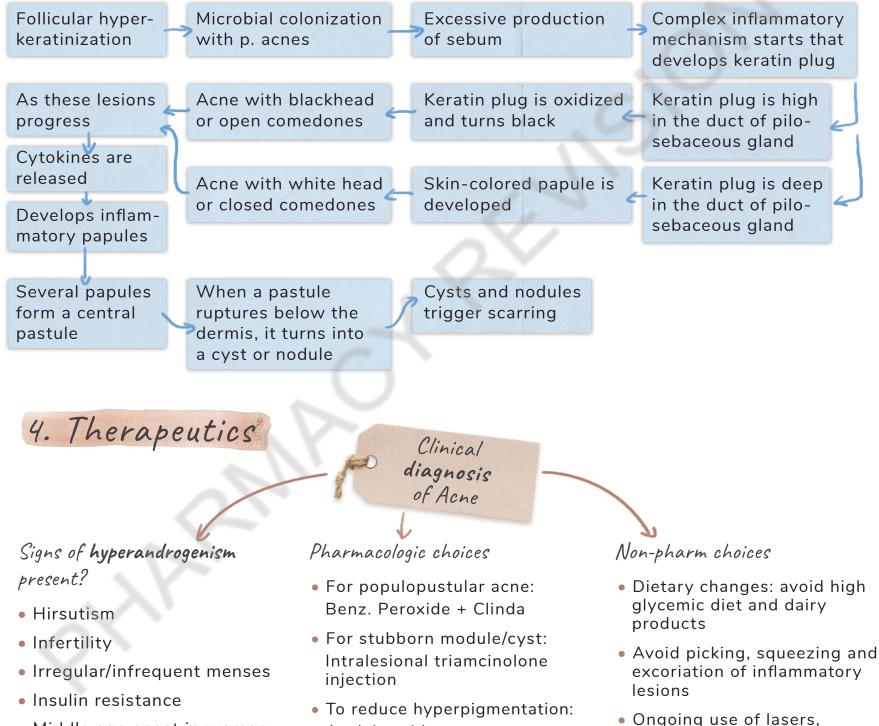
ACNE 1. Background

- Most common skin disorder
- Starts at puberty
- Acne can cause emotional, sometimes permanent, psychological disturbance
- Multifactorial disease centered on the pilosebaceous gland
- Acne may have link with high glycemic diet & dairy ingestion
- Astringents and abrasives to be avoided

3. Pathophysiology

2. Goals

- Clear existing lesions
- Prevent new lesions
- Minimize scarring
- Reduce dyspigmentation
- Minimize psychological impact



Middle age onset in women



Hormonal investigation may be warranted

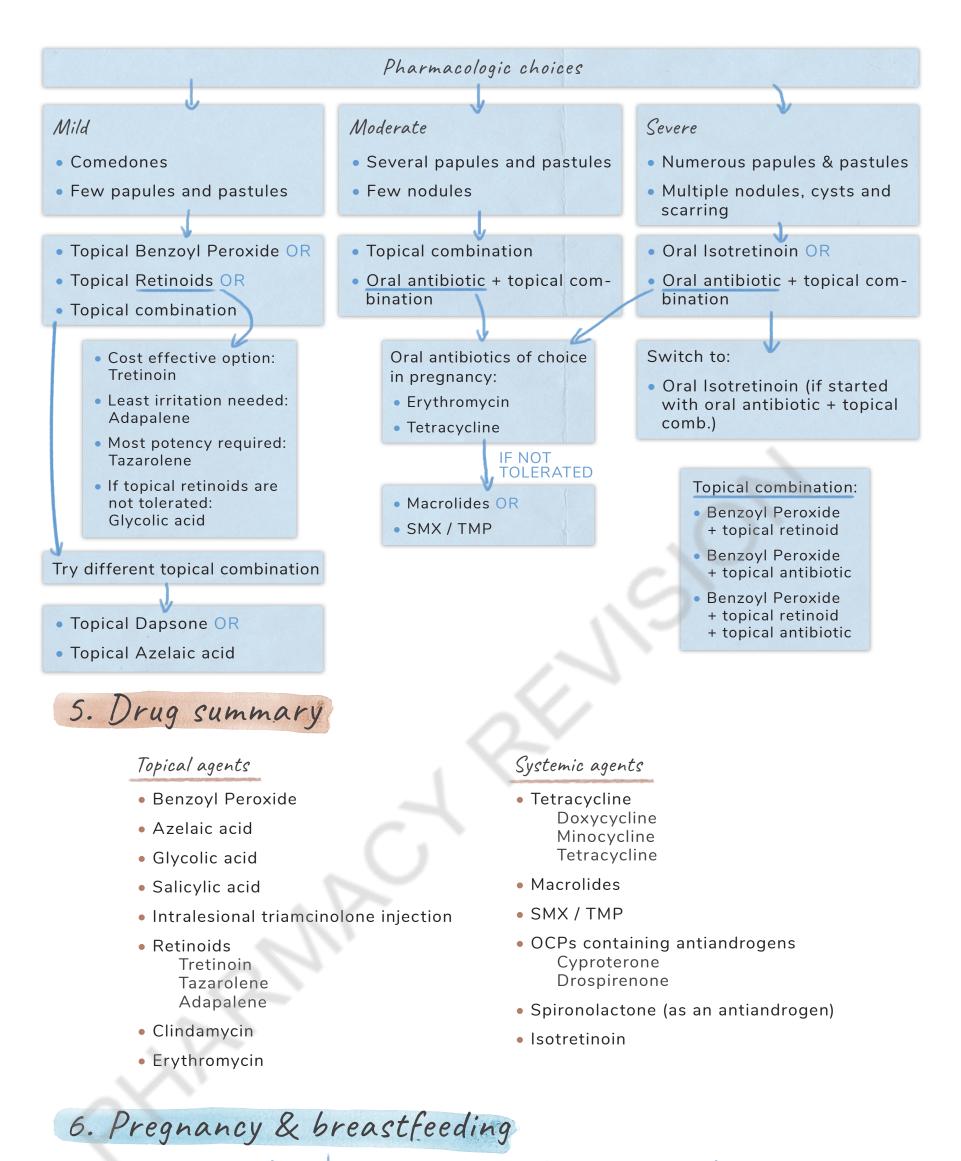
Azelaic acid

 For most powerful action, sustained remission:

Isotretinoin

 Patients who notice flare up of acne associated with menses: OCPs containing Cyproterone or Drospirenon, Spironolactone intense pulsed light, microdermabrasion, chemical peels, photodynamic therapy and comedone extraction are helpful in certain situations





D			
Pre-p	regi	nan	CV

Pregnancy

Isotretinoin

Wait until 1 month after discontinuation At least 2 negative pregnancy tests before starting therapy

Contraceptives

Wait until one spontaneous cycle after discontinuation

Spironolactone

Wait until 7 days after discontinuation of treatment

• Tetracycline

Wait until 7 days after discontinuation of therapy

Compatible:

- Benzoyl Peroxide top.
- Erythromycin oral/top. (except Estolate)
- Clindamycin top.

Unlikely to pose a risk (R/B ratio):

- Glycolic acid
- Azelaic acid
- Triamcinolone

NOT compatible:

- Dapsone top.
- Retinoids top.
- Isotretinoin top. Proven teratogen
- Tetracycline Dental staining & enamel hypoplasia
- SMX / TMP

Ped risk of kernicterus if given after 32 weeks of pregnancy





Compatible:

- Retinoids top.
- Antibiotics top.
- Benzoyl Peroxide top.
- Glycolic acid top.
- Azelaic acid top.
- Tetracycline
 3 weeks
 Daily use not recommended
- Spironolactone

7. Important notes

- To reduce irritation from topical formulation:
 - Start with less frequency (every 2 days or less)
 - Shorter contact time (for 2 hours, then wash off)
 - Slowly increase the dose
 - Use moisturizer
- Relationship between acne and diet is controversial
- It can take 2-3 months to see significant improvement with topical/systemic antiacne agents
- Patients on combination of topical & systemic therapy who achieved good control: consider withdrawal of the systemic agent and continue the topical therapy
- Topical clinda always to be used with topical benz. peroxide to prevent resistance

Agents	Antibacterial act?	Comedolytic act?	Anti-inflammatory act?	Peeling act?
Benzoyl Peroxide	Yes	mild	No	No
Retinoids	No	powerful	Yes	No
Glycolic acid	No	mild	No	Yes
Azelaic acid	Yes	Yes	No	No
Salicylic acid	No	Yes	-	No
Dapsone	No	No	Yes	No
Clindamycin	Yes	No	Νο	No

- Triamcinolone can cause localized atrophy; not suitable for multiple lesions
- OCPs containing anti-androgenic agents have higher risk of VTE
- Patient's acne continues to improve after a course of Isotretinoin is completed, wait at least 8 weeks before starting another course (one course is for 4-6 weeks)

R/B ratio:

- Dapsone top.
- Erythromycin oral Ped risk of infantile pyloric stenosis in early postnatal period

NOT compatible:

- Isotretinoin top.
- SMX / TMP Potential risk of nemolysis in G6PD defficient patients
- OCPs

