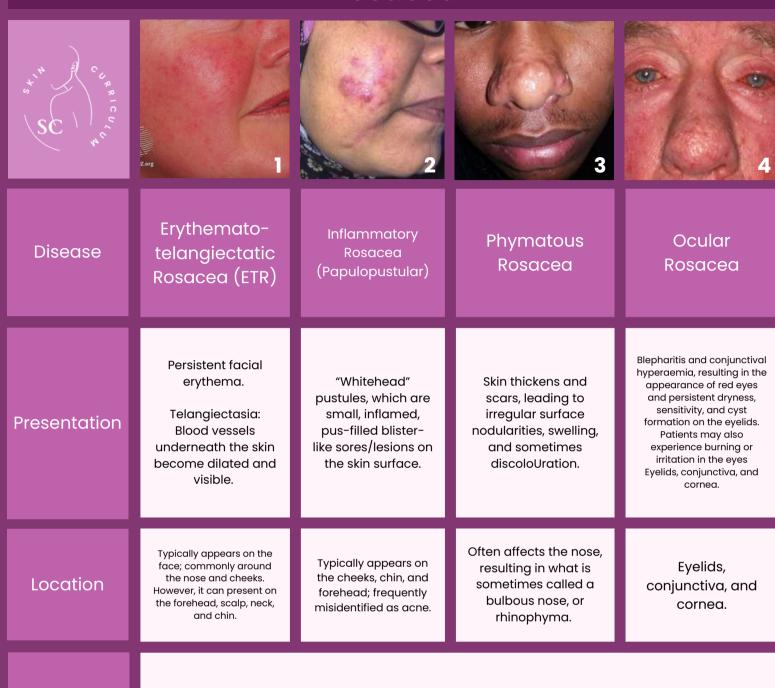
Rosacea



Comorbidities

Rosacea has been associated with depression, hypertension, cardiovascular disease, anxiety disorder, dyslipidemia, diabetes mellitus, migraines, rheumatoid arthritis, Helicobacter pylori infection, ulcerative colitis, and dementia.

Onset

Rosacea typically presents after the age of 30 and more commonly affects patients with fairer skin. However, this condition may be underdiagnosed in patients with skin of colour. This disparity may stem from a multitude of factors, including limited exposure during dermatology training to skin pathologies in darker phototypes, as well as socioeconomic factors underpinning barriers to accessing care.

Rosacea Continued

Disease

Erythematotelangiectatic Rosacea (ETR)

Inflammatory Rosacea (Papulopustular)

Phymatous Rosacea

Ocular Rosacea

Causes

The exact etiology of rosacea is unknown. It is an inflammatory disorder caused by many underlying internal and external factors. Research has explored the pathophysiological role of genetics, skin mites, immune-system hyperactivity, gastrointestinal infection to H. pylori, and excess cathelicidin production.

Common triggers that contribute to worsening of symptoms and flare-ups:

- Emotional stress and anxiety
- Spicy foods
- Alcohol
- Hot beverages
- Extreme heat (weather, hot baths and showers, saunas, etc.)
- Extreme cold
- Strong winds
- UV rays
- Physical exertion
- Foods high in histamines

Avoid triggers including sun exposure. Use gentle-skin care products (eg, gentle cleansers, mineral sunscreen, avoid exfoliants, etc.).

Treatments

Topicals (mild/moderate symptoms):

Metronidazole,
Azelaic acid,
Brimonidine
(monotherapy or in
combination).

Laser (for telangiectasia):

Intense pulsed light therapy Vascular laser.

Oral (for flushing):

bBta-blockers (carvedilol) clonidine may reduce flushing

Topicals (mild/moderate symptoms):

Metronidazole, Azelaic acid, ivermectin, erythromycin.

Oral (severe):

Tetracyclines
(oxytetracycline,
lymecycline,
doxycycline)
macrolides
(erythromycin,
azithromycin),
metronidazole,
isotretinoin often at
low dose (for
refractory disease
only).

Physical (If clinically non-inflamed):

Physical modalities to remove excess tissue and reshape the structures (eg, ablative CO2 laser, erbium laser, radiofrequency, surgical debulking).

Oral (if clinically inflamed):

Doxycycline, isotretinoin.

Topical (mild/moderate):

Azithromycin/topical calcineurin inhibitors.

Oral (severe):

Azithromycin, doxycycline.

General: Increase dietary intake of omega-3 fatty acids, warm compresses, gentle eyelash/eyelid cleansing to express sebum trapped in the meibomian glands.

References

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