

STEP 1 REVIEW

DERMATOLOGY

High-Yield Clinical Presentations



MED STUDENT SUCCESS

- Very pale skin, eyebrows and eyelashes
- Unable to produce melanin due to enzyme deficiency

Albinism

- Pregnant patient develops new pigmentation on cheeks

Melasma

- Random depigmented areas on the skin
- Hx of hashimoto and type 1 diabetes

Vitiligo

- Greasy plaques around the nose and scalp
- Associated with malassezia

Seborrheic dermatitis

- Teenager gets pus filled bumps on the face
- Treat with retinoids, abx

Acne

- Child with hx of asthma and allergies develops rough patches on inside of elbows and back of the knees

Atopic dermatitis (eczema)

- Person wearing a new necklace or belt gets a rash on that area a few days later

Allergic contact dermatitis

- Dark, flat or elevated area on the skin
- Benign

Melanocytic nevus

- Male with itchy bumps in the beard region

Pseudofolliculitis barbae

- Silver scaly plaques on elbows and knees
- Bleeding points seen when scales are scraped

Psoriasis

- Erythema, flushing of cheeks after being in the heat or drinking alcohol

Rosacea

- Elder pt with a few brown patches that look stuck on the back or cancer pt with multiple
- Keratin horn cysts

Seborrheic keratosis

- Pt with multiple sexual partners develops skin colored, cauliflower shaped papule on skin
- Koilocytes

Verrucae Vulgaris

- Itchy wheals that form on the skin
- Dermal edema

Urticaria

- Pt with vinyl chloride, arsenic exposure or hx of mastectomy develops red rapidly growing lesion

Angiosarcoma

- AIDS pt develops red lesion on the skin
- Neutrophilic infiltrate

- Adult develops small red lesion on the skin that doesn't go away

- Baby develops a rapidly growing red lesion on the skin that goes away a few years later

Bacillary angiomatosis

Cherry hemangioma

Strawberry hemangioma

- Painful lesion under the fingernail
- Arises from thermoregulatory cells

Glomus tumor

- AIDS pt get purple/red lesions on skin
- Lymphocytic infiltration

Kaposi sarcoma

- Pregnant pt gets red lesion on the lip

Pyogenic granuloma

- Honey colored crusting around the mouth
- Staph or strep infection

Impetigo

- Red area on the skin that is well-defined, sharp borders

Erysipelas

- Painful, red, hot area on the skin that is not well-defined

Cellulitis

- Collection of pus under the skin
- Staph aureus infection

Abscess

- Deep tissue infection, rapidly progressive
- Physical exam reveals crepitus

Necrotizing fasciitis

- Kid that has desquamation rash
- Sloughing off of skin when light pressure applied

Staph scalded skin syndrome

- Painful vesicles around the mouth, genitals or finger

Herpes

- Skin colored lesion with central umbilication
- Poxvirus

Molluscum contagiosum

- Kid with painful vesicles on the body or adult with painful vesicles on one side of abdomen

Varicella Zoster Virus

- Irregular white painless plaques on tongue that can't be scraped off

Hairy Leukoplakia

- Easily ruptured blisters
- Oral mucosa affected
- Ab against desmosomes, reticular/fishnet pattern

Pemphigus vulgaris

- Tense blisters
- Ab against hemidesmosomes, linear pattern

Bullous pemphigoid

- Itchy vesicles on elbows
- IgA at tips of dermal papillae
- Diarrhea after eating bread

- Target lesions on the skin after recent flu like illness

- Fever, bullae and severe sloughing of skin after taking a new medication

**Dermatitis
herpetiformis**

Erythema multiforme

**Stevens-Johnson
syndrome**

- Ulcer on ankle
- Associated with varicose veins, stasis dermatitis

Venous ulcer

- Ulcer on distal toe
- Associated with severe pain, extremity feels cold, pale, can't feel pulses

Arterial Ulcer

- Ulcer on bony prominence of foot like metatarsal head
- Associated with absent reflexes, claw toes, no pain

Neuropathic ulcer

- Hyperpigmented, thickened skin under armpits, neck and groin
- Pt with DM, obesity, PCOS, cancer

Acanthosis nigricans

- Rough patch on the face
- Can lead to SCC

Actinic keratosis

- Purple, itchy lesion on the skin
- Can see white lines on the lesion

Lichen planus

- Big patch appears on the skin, then multiple smaller patches that distribute in a tree appearance appear on the back

Pityriasis rosea

- Redness and pain on the shoulders after a day at the beach

Sunburn

- Rapidly growing lesion on the skin that goes away
- Dome shaped and filled with keratin

Keratocanthoma

- New dark area on the skin with irregular borders, varying colors
- Hx of years as a lifeguard, farmer

Melanoma

- Pink pearly lesion with blood vessels on the face
- Locally invades surrounding areas

Basal cell carcinoma

- Scaly lesion that rapidly grows on the face
- Histology shows keratin pearls

Squamous cell carcinoma

THANK YOU!

Questions?

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More STEP Resources: medstudentsuccess.com



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