

Dermatology Jeopardy Part One

**Vesiculo-
Bullous
Diseases**

**Pustular
Diseases**

**Skin
Colored
Lesions**

**White
Lesions**

**Blue, Brown
and Black
Lesions**

\$100

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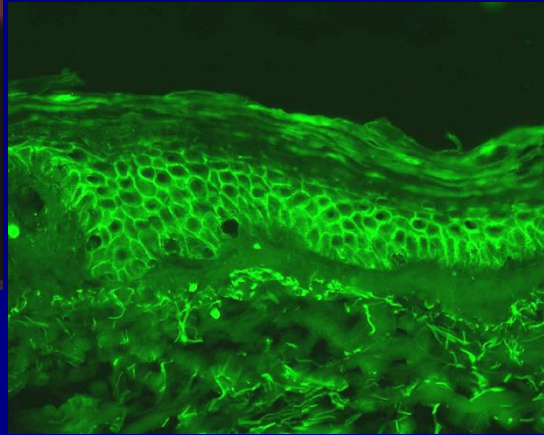
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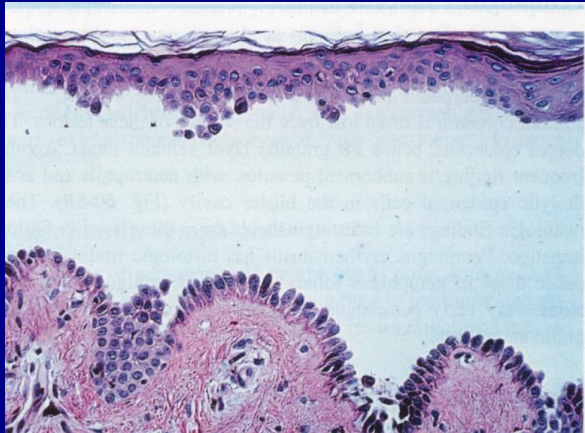
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Vesiculobullous Diseases \$100



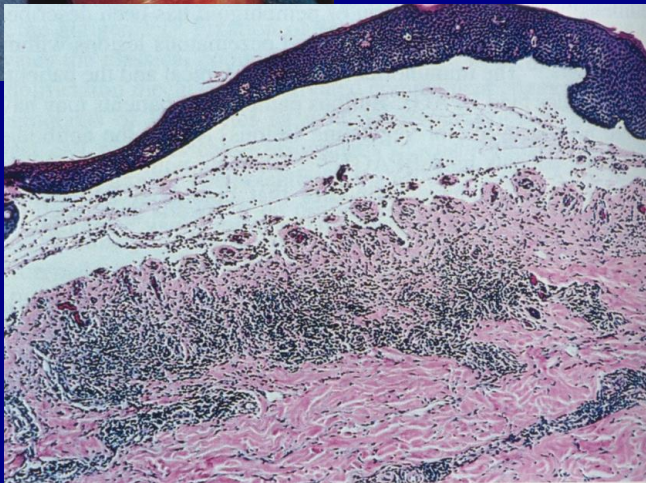
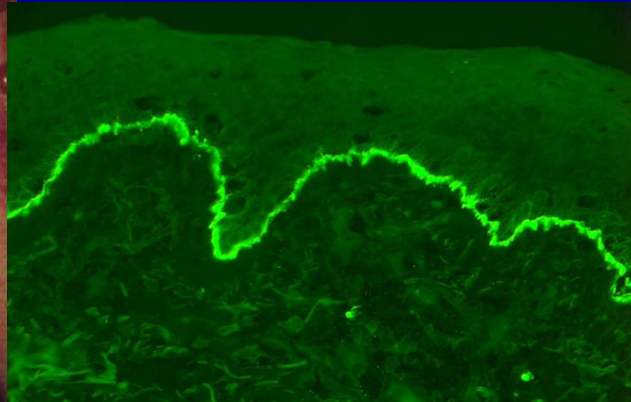
This autoimmune bullous skin disease is seen more commonly in persons of Mediterranean descent and involves the mucous membranes. Acantholysis occurs above the basement membrane on H and E resulting in a "row of tombstones."



What is Pemphigus Vulgaris?



Vesiculobullous Diseases- \$200



This autoimmune bullous skin disease occurs because of acantholysis below the level of the basement membrane resulting in a blister that is particularly tough and resistant to rupture.

What is Bullous ("Bully") Pemphigoid?



Vesiculobullous Diseases \$300



Severe Erythema Multiforme Major (also known as Steven Johnson Syndrome (SJS)) is most commonly due to drug reactions.

These are three of the most common drug classes known to trigger SJS.

What are drug reactions to:

- 1) Antibiotics
- 2) Analgesics
- 3) Cough and Cold medications
- 4) Antiepileptics, and
- 5) Anti-gout medications?



Vesiculobullous Diseases \$400



A patient presents with intensely pruritic, symmetric clustered groups of vesicles on the knees, elbows, and buttocks. She has chronic diarrhea and bloating.

This is the diagnosis of the skin disease and **this** is associated systemic disease.

What is dermatitis herpetiformis and what is Celiac disease?

Bonus question: What is the most cost effective diagnosis and management?



Vesiculobullous Diseases- \$500



A patient came to see you after developing an extremely pruritic weeping rash on her right calf. She went hiking in northern Arizona approximately 48 hours ago. She first noticed itching of the area 24 hours after the hike and comes to you because the rash is now blistered.

This is the diagnosis, **this** is the culprit, and **these** are three other common causes of this same rash.

What is acute contact dermatitis due to poison ivy? Three other causes commonly seen are adhesive tape, topical antibiotic ointments, and nickel sensitivity?



Pustular Diseases- \$100



This is the diagnosis and **this** is the likely organism causing this rash.

What is bacterial folliculitis, and what is staphylococcus aureus?

BONUS: What is the likely organism in a patient who was soaking in a poorly maintained hot tub?



Pustular Diseases- \$200



This patient was transferred to our hospital for hand surgery consultation. The lesions started as a inflammatory papules and progressed to the current state over the past 4 weeks. She has not responded to oral antibiotics and wound care.

This is the diagnosis that you suspect and **this** is the question you ask the patient on ROS.

What is pyoderma gangrenosum and what is abdominal pain/diarrhea/bloody stool looking for inflammatory bowel disease?



Pustular Diseases- \$300



This woman of Irish heritage presents with this papular and pustular rash on her face which worsens with drinking hot beverages. She is distressed about the appearance and tells you that she never has had acne. **This** is the diagnosis and **this** is the clinical clue that the rash is not true acne.

What is Rosacea and what is the Lack of Comedones?



Pustular Diseases- \$400



This patient has noticed bumps on the back of her arms for the past year. They do not itch or hurt but are upsetting to her because of the appearance. She has a medical history of allergic rhinitis and exercise induced asthma. **This** is the diagnosis.

What is keratosis pilaris?

BONUS: What do you offer for treatment?



Pustular Diseases- \$500



A 25 year old woman presents with complaints of migratory arthritis pain in the hands, wrists, and elbows for the past 4 days associated with fever to 101. She has had 3 new male sexual partners in the past 2 months and does not use condoms. Approximately 4 skin lesions are seen on exam, and they are asymptomatic.

This is the likely diagnosis.

What is disseminated gonococcal infection?



Skin Colored Lesions- \$100



An 18 year old woman who is sexually active with 3 new male partners in the past year, presents with these skin lesions in her pubic area. They are asymptomatic.

This is the diagnosis.

What is molluscum contagiosum?

BONUS: What is its significance in children and what is its significance when it is found in abundance on adults?



Skin Colored Lesions- \$200



This skin colored lesion is the most common type of non-melanoma skin cancer and is known for invading tissue deeply, giving it the nickname, "rodent ulcer."



What is a Basal Cell Carcinoma?



Skin Colored Lesions- \$300



This systemic mycosis is acquired by the respiratory route and with the primary focus of infection in the lungs. With hematogenous dissemination in immunocompromised patients, such as AIDS patients, it may present with multiple skin colored papules and nodules that resemble molluscum contagiosum.

What is systemic cryptococcosis?



Skin Colored Lesions- \$400



These lesions, known by lay persons as “skin tags”, are associated with **this systemic condition**.

These are the **2 other skin findings**, in addition to “skin tags” that are associated with this same systemic condition.

What is Acrochordon, and what is Insulin Resistance?

What is Acanthosis Nigricans and Tripe Palms?



Skin Colored Lesions- \$500



These two pictures are both Named "condyloma" which means "callous lump" in Greek. They are due To two different infectious etiologies.

This is the name of the condyloma lesion in the top picture, and *this* is its infectious cause. *This* is the name of the condyloma lesion on the bottom picture and *this* is its infectious cause.



What is condyLoma Lata due to syphiLis and what is condyloma Aacuminata due to Accumulated papules from HPV?



White Lesions- \$100



This disease, characterized by well demarcated macules and patches of hypopigmentation is associated with **these** other autoimmune diseases (name 3.)

What is Hashimoto's thyroiditis, Addison's disease, Pernicious anemia, Type 1 DM, and polyendocrinopathy with mucocutaneous candidiasis?



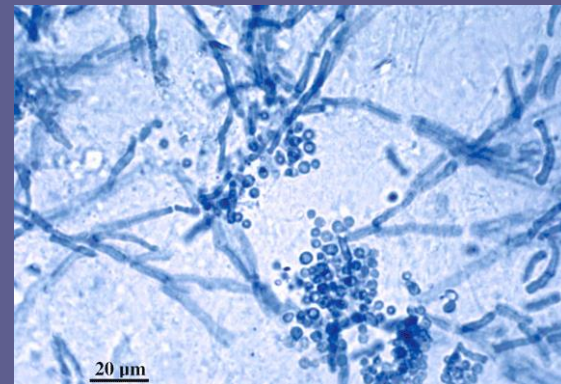
White Lesions- \$200



This fungal infection, caused by *Malassezia furfur*, is distinguished from vitiligo by the presence of fine scale and pale yellow-green fluorescence when viewed with a Wood's lamp.

What is tinea versicolor?

BONUS: What common American-Italian dinner does the fungus look like on KOH stain?



White Lesions- \$300



These hard white lesions are asymptomatic but often bother patients for cosmetic reasons. They are common around the eyes, and are also associated with **this** systemic disease which causes photosensitive blisters and scarring.

What are milia and what is porphyria cutanea tarda?



White Lesions- \$400



Tuberous sclerosis is an autosomal dominant disorder characterized by multiple hamartomas distributed in the brain, skin, retina, heart, and lung. 50-84% of cases are due to sporadic mutations. Skin involvement is cardinal for suspecting the diagnosis.

This is the name of the finding of the hypomelanotic macules that occur in 90% of patients with the disorder and are best visualized with Wood's lamp.

What is an Ash-leaf spot?

BONUS: Angiofibromas on the face are nearly pathognomonic for Tuberous Sclerosis.



White Lesions- \$500



A 75 year-old-woman presented to your clinic with complaints of vulvar itching and pain for several months. On physical examination there are white indurated plaques on the vulva.

This is the diagnosis and **this** the concern regarding the diagnosis.

What is lichen sclerosus and what is the risk of transformation to squamous cell cancer (4-6% lifetime risk)?



Blue, Brown & Black Lesions- \$100



This diffuse velvety thickening and hyperpigmentation of the skin which occurs chiefly in the axilla and other body folds is most commonly related to insulin resistance. When it is involving the oral mucosa and the vermillion border of the lips, **THIS** is the possible etiology.

What is gastrointestinal malignancy?



Blue, Brown & Black Lesions- \$200



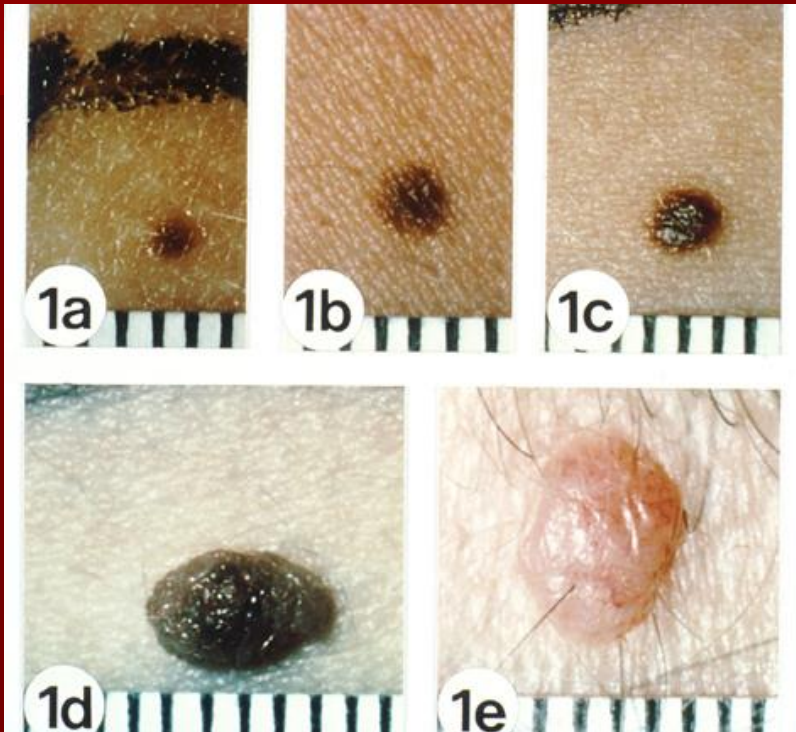
These common, benign tumor lesions are usually pigmented, appear “stuck on” and increase with age. They are likened to the “barnacles” on a ship, but can be confused with moles or even melanoma.



What are seborrheic keratoses?



Blue, Brown & Black Lesions - \$300



Moles (Nevi) are papules made of melanocytic nevus cells located in different parts of the skin. They appear early in childhood and reach a maximum in young adulthood. There is a gradual involution of lesions and most disappear by age 60.

These are the 3 types of normal nevi named by their location in the skin.

What is a junctional nevus, a compound nevus, and a dermal nevus?



Blue, Brown & Black Lesions- \$400



Addison's disease results in destruction of the adrenal glands resulting in primary adrenal insufficiency. *This* is the explanation for why the patient with primary adrenal insufficiency may become hyperpigmented especially in the palmar creases, previous scars and the gumlines.



What is feedback causes an increase in ACTH-POMC (pro-opioid melanocortin) which binds to melanocyte receptors?



Blue, Brown & Black Lesions- \$500



This is the reason that a nodular melanoma metastasizes more quickly than a superficial spreading melanoma and is the most important determinant for prognosis of primary melanoma lesions.

This is the second most important prognostic indicator in primary melanoma.



What is the depth of the lesion and whether the lesion is ulcerated?

