

LUPUS

- Acute "butterfly" malar rash, transient, follows sun exposure
- Lesions on hands often spare knuckles
- Evaluate for internal disease (ANA/ENA)
- o +/- oral ulcers
- Nephritis concerning complication (usually dsDNA+)



PHOTO CREDITS:

- ${\color{red} \circ}$ Lynne Morrison M.D.
- o Bolognia et al. Dermtext.com
- ${\color{blue} \circ}$ The internet

LUPUS

- SCLE photosensitive, photodistributed
- Lesions may appear annular, eczematous, psoriasiform.
- Not scarring
- o 15-50% progress to SLE
- Med induced: HCTZ, NSAIDs, diltiazem, and terbenafine
- o Usually anti-Ro+



LUPUS ERYTHEMATOSUS

- Multisystem, autoimmune disorder
- Female > male 6:1
- SLE prevalence 4 fold higher in AA females
- o SLE criteria –rash photosensitivity, oral ulcers, arthritis, serositis, renal disorder, neurologic disorders, hematologic disorder, +ANA.



LUPUS

- Discoid Lupus face, scalp, and ears
- o Can occur on mucosa
- Can scar, also follicular plugging and scarring alopecia
- Long standing lesions can dvp SCC
- ${\color{red} \circ}$ Only 5-10% dvp SLE



LUPUS

- o More rare types -
 - Tumid no epidermal change. Dermal process. Can appear like urticarial plaques on face and trunk
 - Lupus panniculitis intense inflammation in the fat with indurated and depressed areas.
 - Lupus pernio red/dusky/purple papules on fingers, toes, elbows, and lower legs. Brought on by cold.





DERMATOMYOSITIS

- o ¼ of adult pts have assoc malignancy
- \circ Females 2x> males
- can overlap with other collagen vascular diseases
- o Poikiloderma, violaceous color (elbows, knees with fine scale)
- o Photodistribution
- Periungal telangiectasia and dilated capillary loops. Ragged cuticles





LUPUS

- ${\color{red} \bullet}$ Diagnosis Clinical, skin biopsy and DIF
- Eval for SLE diffuse non-scarring alopecia, periungal telangiectasia, Raynauds, livedo retic, vasculitis, lymphadenopathy, ANA (and ENA), UA, CBC with diff, platelets, CMP, ESR.
- o Rheumatology referral
- o TX: topical/intralesional steroids, SUN PROTECTION,hydroxychloroquine, dapsone, methotrexate. With SLE - prednisone azathiaprine, cyclosporine, ...

DERMATOMYOSITIS

- Heliotrope sign eyelids violaceous and puffy
- o Gottrons sign violaceous poikiloderma over knuckles, elbows, and knees
- Gottrons papules over knuckles
- Erosions and bullae are a bad sign
- o Calcinosis cutis





DERMATOMYOSITIS

- Connective tissuevascular disease
- Autoimmune
- o Symmetric proximal, extensor, inflammatory myopathy and characteristic skin eruption.
- Polymyositis muscle only, spares the skin
- Amyopathic skin only, no muscle





DERMATOMYOSITIS

- Malaise and fatigue
- Muscle soreness/pain and decreased strength
- Can be assoc with interstitial lung dz and cardiac dz
- Rarely drug-induced
- o DX: skin biopsy, ANA, ENA, muscle enzymes, MRI, LFT's, LDH, 24 hour creatinine, MI2
- o Malignancy eval



DERMATOMYOSITIS



- Characteristics of subtypes:
 - Juvenile Calcinosis cutis is common, usually no malignancy
 - Adult Common malignancies ovarian, breast, colon, lung, and pancreas
 - Amyopathic no myopathy, skin only. Can have late onset myopathy after 15mo-6 years. 14% have malignancy, 13% have ILD.
- Treatment: sunscreen, topical steroids, hydroxycholorquine, methotrexate, azathioprine, IVIG

SCLERODERMA

- o Skin findings:
 - Diffuse hyperpigmentation, can have leukoderma except perifollicular ("salt and pepper")
 - Matted telangiectasias of face, lips and palms
 - · Sclerodactyly
 - · Calcinosis cutis distal
 - Raynaud's and ulcers on fingers common
 - Dry skin
 - Pruritus



Systemic Sclerosis (Scleroderma)

- Collagen vascular dz primarily affecting females (30-50yo)
- Symmetric induration of the skin with involvement of distal areas
- Systemic involvement - esophagus, lungs, heart, and kidneys
- May be fatal (lung involvement)

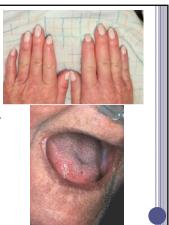


SCLERODERMA

- o Labs:
 - ANA +, and Scl-70 (diffuse) or anti-centromere (limited)
- o TX: CCB's for Raynauds (nifedipine). Avoid cold and tobacco.
- ACE inhibitors (for renal involvement?)
- ?Prednisone, ?methotrexate, imatinib in trials

Systemic Sclerosis

- o Limited vs Diffuse
- o CREST: Calcinosis cutis, Raynaud's phenomenon, esphogeal dysmotility, sclerodactyly, and telangiectasia (matted).



ERYTHEMA MULTIFORME

- Strongly assoc. with a preceding infection Recurrent cases likely HSV.
- Can also be drug induced, radiation induced, and idiopathic
- Appears targetoid with dusky center.
 Can be bullous.
 Common on the palms and soles, +/- oral involvement, acral distribution.









ERYTHEMA MULTIFORME

- Minor self limited, recurrent, usually in young adults (spring and fall) and lasts 1-4 weeks.
- Major more extensive w/ mucosal involvement.
 Previously thought to be a precursor to SJS.
- o Treatment is supportive (prednisone may provoke recurrences).



URTICARIA

- o Vascular rxn characterized by the appearance of wheals, generally surrounded by a red halo or flare
- o Severe itching, stinging, or prickling sensation.
- May be annular or polycyclic.
- Individual wheals rarely last >12 hours.



ERYTHEMA NODOSUM

- o Bilateral, symmetric panniculitis with deep, tender, bruiselike nodules
- Pre-tibial
- o Can have malaise, leg edema, arthralgias, fever, HA, conjuctivitis, GI complaints



URTICARIA

- o Acute resolves in days to weeks, with complete resolution of symptoms within 6 weeks.
- Chronic >6 weeks.
- Females 2x more affected than males. More common in adults



ERYTHEMA NODOSUM

- o Causes: strep infection, TB, intestinal infection, fungal infection, sarcoidosis, IBD, drugs
- Tx: identify trigger, rest, elevation, antiinflammatories



URTICARIA

- Triggers: drugs are most common
- Acute >50% idiopathic followed by URI, drugs, and foods
- o Chronic 60%
 "ordinary"
 (autoimmune,
 pseudoallergic,
 infection related, and
 idiopathic) then
 physical and vasculitic
 causes



URTICARIA



- Physicial urticarias: dermatographism, cold, heat, cholinergic, aquagenic, solar, vibratory, and exercise induced.
- o +/- allergic rhinitis, asthma, nasal polyps and food induced anaphylaxis
- o Food: acute.
- o Can do food diary
- o Infections: URI, strep, Hep B/C, mono
- Emotional stress, menthol, neoplasms, pollen, and alcohol

ACANTHOSIS NIGRICANS

- Type II familial, present at birth
- Type III neck, axillae, groin. Occurs in obesity, acromegaly and gigantism, Cushing's, DM, hypothyroidism, Addison's, hyperandrogenic states.
- o Drugs: OCP's, testosterone, and glucocorticoids.





URTICARIA

- o D/DX: urticarial vasculitis, BP, EM, GA, Sarcoidosis, CTCL which would all last >24 hours
- o TX: antihistamines. Consider Singulair. Cold baths, sarna, phototherapy, nifedipine, dapsone, gold, methotrexate.

ACANTOSIS NIGRACANS

- o Tripe palms thickened velvety palms with pronounced dermatoglyphics. 95% occur in pt's with cancer.
- o Lung CA most common if only palms affected. Tripe palms

+ AN = gastric cancer.



ACANTHOSIS NIGRICANS

- Grey, brown, or black hyperpigmentation and velvety textured plaques.
- Symmetric distribution.
- Type I Rare. Assoc with malignancy. Increased extent of involvement.
 - Increased suspicion >40yo, not obese with rapid onset





ACANTHOSIS NIGRACANS

 Treatment – remove malignancy, treat DM, weight loss, Oral retinoids, metformin, tretinoin, calcipotriol, urea, sal acid, CO2 laser and pulsed dye laser may be of benefit.



ERUPTIVE XANTHOMA

- o Small yellowish orange to red-brown papules that appear in crops over entire body
- Markedly elevated triglycerides.
- Also seen with DM, obesity, pancreatits, chronic renal failure, hypothyroidism, estrogens, corticosteriods, or systemic retinoids.



LIVEDO RETICULARIS

- o Most not assoc with systemic disease, but may be a manifestation of lupus, dermatomyositis, scleroderma, rheumatic fever, rheumatoid arthritis, Hep C, parvovirus B19, syphilis, meningococcemia, pneumococcal sepsis, TB, pancreatitis, breast CA, and on and on......
- Cholesterol emboli can cause. May be uni or bilateral. Usu with cyanosis, purpura, nodules, ulceration or gangrene.

"XANTHELASMA" PALPEBRARUM

- Most common. Soft yellowish orange oblong plaques on eyelids
- Assoc with other types of xanthoma, but are typically present without any other disease
- >1/2 pt's with normal lipid profile



XANTHOMATOSIS

- Cutaneous manifestation of lipidosis in which plasma lipoproteins and free fatty acids are changed quantitatively.
- o Names based on clinical morphology
- Can be associated with genetic diseases
- o Morphologies fairly specific for the associated elevated lipid

PEUTZ-JEGHER SYNDROME

- AD. Mucocutaneous pigmented macules and hamartomatous polyps of the GI tract.
- Dark brown to black round to oval macules on central face, lips and oral mucosa. Can be seen on hands, feet, tongue, and periumbilical.



PEUTZ-JEGHERS SYNDROME

- Polyps in GI tract usually in jejunum and ileum.
 +/- abdominal pain, obstruction, hemorrhage, and anemia.
- o Increased risk for malignancy
- ${\tt o}$ Tx: check stool for blood, colonoscopy, upper endoscopy



THANKS FOR YOUR ATTENTION!

• Questions???

DERMATITIS HERPETIFORMIS

- o Symmetric distribution favoring elbows, extensor forearms, upper back, buttocks and knees.
- Urticarial papules, vesicles and blisters.
- INTENSE pruritis, burning or stinging.
 May only see crusting



DERMATITIS HERPETIFORMIS

- Cutaneous manifestation of celiac disease
- o Only about 20% have intestinal symptoms
- \circ Males > females 2:1
- Uncommon in AA and Asian populations
- Can be associated with Hashimoto's thyroiditis
- o Dx: biopsy and DIF (perilesional), antiendomysial antibioties, tissue transglutaminase
- o TX: gluten free diet!!! Dapsone, topical steriods for itching. GI eval?? Probably