Skin manifestations in systemic disorders
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Leukemia cutis and multiple myeloma

- LC - Uncommon presentations
  - Morbiliform eruption / drug eruption

- MM
  - No grenz zone on histopathology – worse prognosis
Neutrophilic dermatoses

- **Enlarge ND spectrum**: PG, Sweet, NSS and PG+ *(systemic involvement)* – necrotizing ND

- **DELPHI for diagnostic criteria for pyoderma gangrenosum**
  - 1 major criterion: biopsy of ulcer edge demonstrating neutrophilic infiltrate
  - 8 minor criteria: (1) *exclusion of infection*; (2) *pathergy*; (3) history of *inflammatory bowel disease* or inflammatory *arthritis*; (4) history of papule, pustule, or *vesicle ulcerating* within 4 days of appearing; (5) peripheral erythema, undermining border, and tenderness at ulceration site; (6) *multiple ulcerations*, at least 1 on an anterior lower leg; (7) *cribriform* or “wrinkled paper” scar(s) at healed ulcer sites; and (8) *decreased ulcer size within 1 month of initiating immunosuppressive medication(s)*
Pregnancy pause

• Specific dermatoses of pregnancy
  • Atopic eruption of pregnancy (more frequent)
  • Polymorphic eruption of pregnancy
  • Pemphigoid gestationis
  • Intrahepatic cholestasis of pregnancy

• Melanoma & Melanocytic Nevi
Pregnancy pause

• Treatment of Psoriasis during pregnancy
  • Other important comorbidities that increase risk
  • Corticoisteroids, calcipotriol $\rightarrow$ C
  • Phototherapy $\rightarrow$ no FDA category
  • Biologics:
    • Safe expositions: Ustekinumab, Ixekizumab, etanercept
    • Infliximab, adalimumab: placental transfer of IgG during 3rd trimester $\rightarrow$ higher levels in child vs mother $\rightarrow$ delay vaccinations
  • **Certolizumab pegol**
    • Lack of placental transfer of during pregnancy (CRIB study, Ann Rheum Dis. 2018 Feb;77(2):228-233)
    • Lactation $\rightarrow$ no transfer from plasma to breast milk (Cradle study Nov 2017)
Pregnancy pause

- Acne treatment
  - Topical treatments
    - B
    - C
  - Systemic treatments
    - Zinc supplements (75 mg/day)
    - Antibiotics: Cephalexin, Cefadroxil, Amoxicillin, Azithromycin, Erythromycin
    - Prednisone
  - nbUVB
    - Recommend all women of childbearing age on phototherapy take 0.8 mg/day of folate supplements
  - Glycolic acid and Lactic acid peels: Relatively safe, limited dermal penetration.
Pregnancy pause

• Infections and infestations in pregnancy
  • **Most oral antifungals are not safe** (even class B)
  • **Most oral antivirals for herpes are safe.**
  • Warts: destructive therapies (liquid nitrogen)
  • Use permethrin or sulfur in petrolatum for scabies and occlusive therapy for lice.