UPMC LIFE CHANGING

# Complex Medical Disease

TIMOTHY PATTON, DO DEPARTMENT OF DERMATOLOGY



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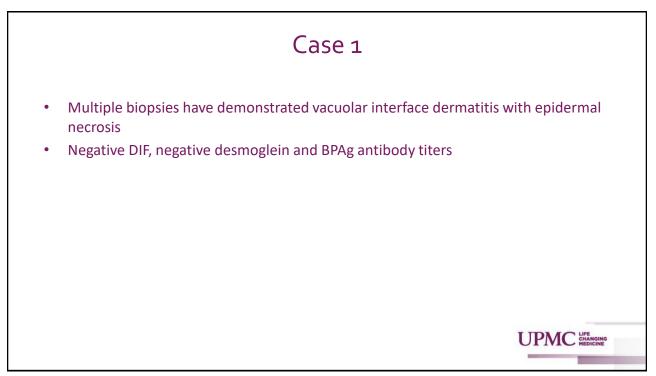
### Case 1

- Most flares preceded by URI symptoms
- Testing at time of flares
  - Positive Mycoplasma IgM titers \_
  - \_ Rhinovirus/enterovirus, adenovirus, seasonal coronavirus, and SARS-CoV-2 coronavirus
    - PCR testing on nasal swabs during active flares
  - HSV antibody titers, HSV PCR on active mucosal vesicles negative
  - HIV negative \_





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# Recurrent Reactive Infectious Mucocutaneous Eruption (RIME)

- Mucosal and cutaneous eruption that occurs following an infection (can be bacterial or viral)
  - Includes mycoplasma induced rash and mucositis (MIRM)
- Occurs mostly in children and adolescents
- Infection triggers and immune response against cutaneous and mucosal epithelium
- Most patients have 2-3 mucosal sites affected erythema, erosions
- Skin lesions can be vesiculobullous or targetoid
- Histology demonstrates vacuolar change, interface dermatitis, epidermal necrosis
- Recurrent disease present in 9-38% of cases

Canavan TN et al. J Am Acad Dermatol. 2015 Feb;72(2):239-45

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## Recurrent Reactive Infectious Mucocutaneous Eruption (RIME)

- Therapy include supportive care
- Antibiotics if appropriate
- Systemic corticosteroids (weak evidence)
- Other immunosuppressive/anti-inflammatory therapies
  - Cyclosporine, IVIg, anti-TNF  $\!\alpha$  inhibitors





