



#DaVinciCases

[Dermatology Case 3](#)



Dermatology 3

A 6-month-old male is brought to clinic for excessive fussiness. The parents noticed the increased fussiness over the past 2 weeks despite the child having a good appetite and appropriate voiding. They also noted a rash on the child's chest, face, and legs which seem to be itchy and interfere with sleep. The rash did not improve with regular bathing and lotion. A photo of the rash is provided below. The child has had not had any recent illnesses or sick contacts. The father has a history of childhood asthma that resolved. The child is in the 60th percentile for weight and height. Vital signs are as follows: HR 100 RR 24 Rectal Temp 98.0F. What type of hypersensitivity reaction best describes this condition?

- A. Type I hypersensitivity reaction
- B. Type II hypersensitivity reaction
- C. Type III hypersensitivity reaction
- D. Type IV hypersensitivity reaction



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Key Findings

- Age and location of the rash
- Itch → fussiness + sleep difficulties
- Normal vital signs and no recent fever or preceding infection
- Image: erythematous plaques with overlying scale and scattered excoriations
- Differential:
 - Atopic dermatitis
 - Psoriasis
 - Impetigo
 - Viral exanthem



Dermatology 2

Atopic Dermatitis



Description:

- Hyperpigmented or erythematous patches and plaques +/- weeping or crusting papules/vesicles
- Chronic AD lesions can present with scales, excoriations, and lichenification
- Usually located on flexural surfaces; may be seen on the face in infancy

Psoriasis



Description:

- Well-circumscribed, pink papules and flat-topped plaques with overlying silvery scale +/- nail pitting
- Usually located on extensor surfaces
- + Auspitz sign



Dermatology 2

Impetigo



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- Two types bullous vs non-bullous impetigo
- Bullous presents with ruptured bullae with yellow collarette from crusts
- Non-bullous presents as a single red macule or papule → vesicle surrounded by erythema → honey-crusted pustules

Viral Exanthems



Viral exanthem



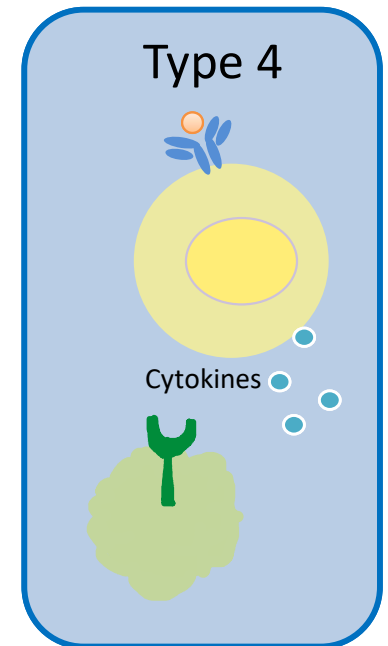
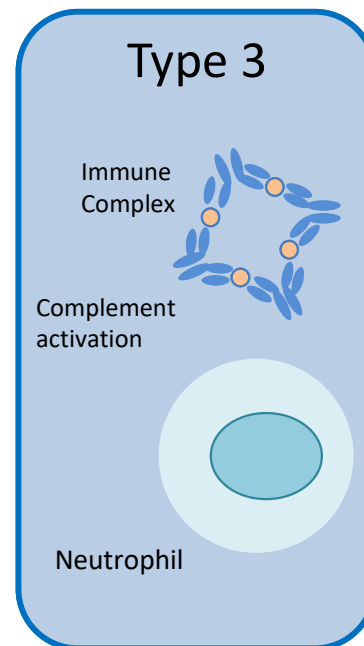
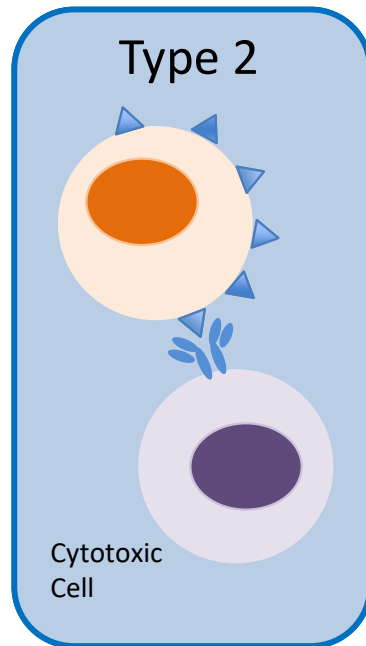
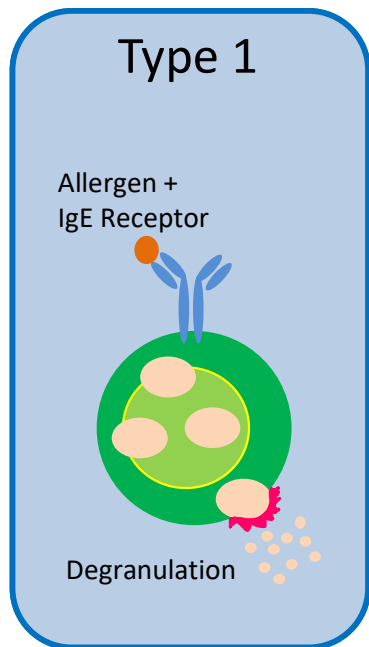
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- Viral exanthem is an eruptive skin rash that is often related to a viral infection
- Infectious exanthems in childhood, include measles, scarlet fever, rubella, fifth disease, roseola infantum, chickenpox, and hand, foot, and mouth disease.



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Hypersensitivity Reactions



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Website for images used in this presentation:
UAB Digital Dermatology Atlas
<https://sites.uab.edu/dermatologyatlas/>





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A C A D E M Y

