

SCARs

Severe **C**utaneous **A**dverse **R**eactions are cell mediated hypersensitivity reactions occurring in certain population with genetic predisposition, resulting in severe and life-threatening skin and/or mucosal lesions, often associated with internal organ(s) involvement. The latency period (time from first ingestion of a drug to the time a drug reaction occurs) is as early as 4 days to as late as 8 weeks.

Acute Generalized Exanthematous Pustulosis

1

Incidence:

1-5/million/year

2

Drugs most commonly associated:

Antibiotic (i.e., aminopenicillin), antifungal (i.e., terbinafine), antimalarial (i.e., hydroxychloroquine), calcium channel blocker (i.e., diltiazem)

3

Skin manifestations:

Non-follicular, sterile, pinhead-sized pustules, edematous erythema, flexural accentuation

4

Associated signs and symptoms:

Fever, facial edema; erosion of lips; organ (i.e., liver/kidney) involvement may occur



Young, AGEP, photograph.



Young, AGEP, photograph.

STOP the drug. You can find a board certified allergist at
psaai.org.

Patrimonio, AGEP, photograph.



References:

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- 2.UpToDate. Drug reaction with eosinophilia and systemic symptoms (DRESS). Updated May 3, 2023. Available from: https://www.uptodate.com/contents/drug-reaction-with-eosinophilia-and-systemic-symptoms-dress?search=DRESS&source=search_result&selectedTitle=1~150&usage_type=default&display_rank=1.
- 3.UpToDate. Acute generalized exanthematous pustulosis (AGEP). Updated July 20,2022. Available from: https://www.uptodate.com/contents/acute-generalized-exanthematous-pustulosis-agep?search=acute%20generalized%20exanthematous%20pustulosis&source=search_result&selectedTitle=1~150&usage_type=default&display_rank=1.
- 4.Khan DA, Banerji A, Blumenthal KG, et al. Drug allergy: A 2022 practice parameter update. J ALLERGY CLIN IMMUNOL 2022; 150 (6): 1333-1393. <https://www.jacionline.org/action/showPdf?pii=S0091-6749%2822%2901186-1>.
- 5.Young Raquel Joy. AGEP. 2017. Photograph.
6. Patrimonio Mary Ann Jean. AGEP. 2022. Photograph.