

SCARs

Severe Cutaneous Adverse Reactions are cell mediated drug hypersensitivity reactions occurring in certain population with genetical 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.

Drug Reaction with Eosinophilia and Systemic Symptoms

1

Incidence:

0.9-2/100,00 patients/year

2

Drugs most commonly associated:

Anticonvulsant (i.e., carbamazepine), antigout (i.e., allopurinol), antibiotic (i.e., sulfamethoxazole)

3

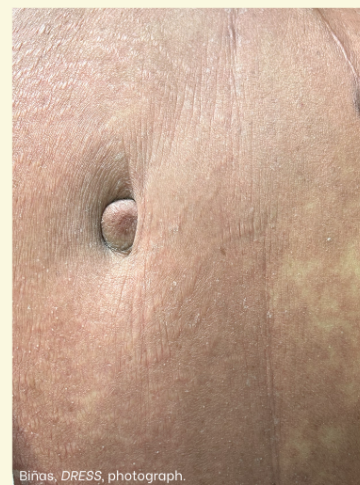
Skin manifestations:

Maculopapular eruption progressing to coalescing erythema, purpura, infiltrated plaques, exfoliative dermatitis, target-like lesions

4

Associated signs and symptoms:

Fever; malaise, facial edema; pruritic rash; lymphadenopathy; mild mucosal involvement; organ (i.e., liver/kidney) involvement



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



References:

- 1.UpToDate. Stevens Johnson Syndrome (SJS). Updated Sept 20, 2023. Available from: https://www.uptodate.com/contents/stevens-johnson-syndrome-and-toxic-epidermal-necrolysis-pathogenesis-clinical-manifestations-and-diagnosis?search=Toxic%20epidermal%20necrolysis%20syndrome&source=search_result&selectedTitle=2-150&usage_type=default&display_rank=2.
- 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>.
- 5.1.Biñas Vicky. DRESS. 2023. Photograph.