Sudden Conjunctivitis, Lymphopenia, and Rash Combined with Hemodynamic Changes (SCoRCH) Syndrome After Hidradenitis Suppurativa Treatment

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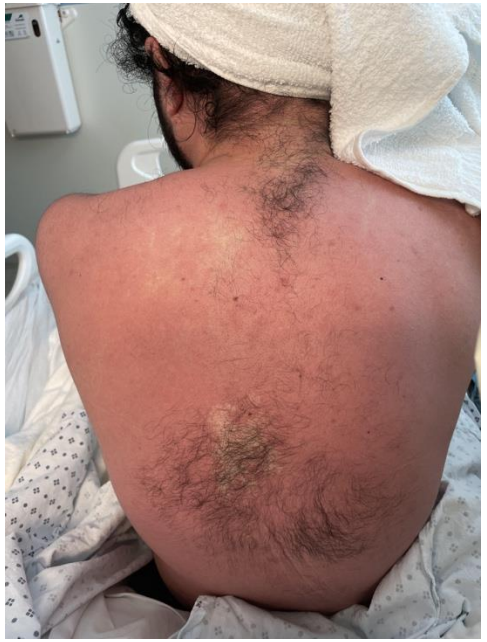
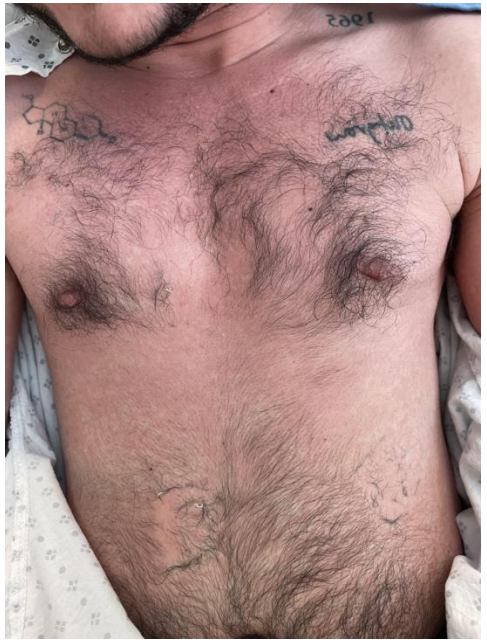
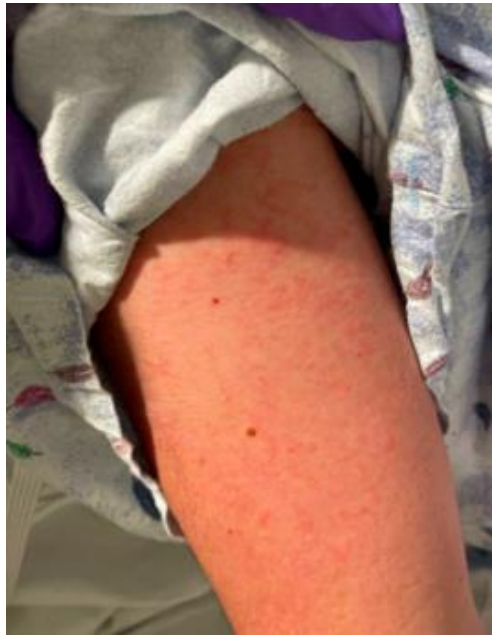
History

- A 24-year-old transgender male on hormone replacement therapy
- PMHx: Sjogren's syndrome (previously on hydroxychloroquine, prednisone, and rituximab) and hidradenitis suppurativa
- Diffuse erythematous rash four days after starting trimethoprim-sulfamethoxazole (TMP-SMX) for a left axillary abscess
- Developed fever, followed by nausea, vomiting, diarrhea, and rash within days of starting medication

Physical Exam

Diffuse erythematous maculopapular rash on the trunk and upper extremities, as well as facial edema and erythema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Workup Results

- Labs
  - Lymphopenia
  - AST 680
  - ALT 650
- Negative infectious workup
- No histopathology

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What is SCoRCH Syndrome?

- Newly described rare, potentially life-threatening hypersensitivity reaction
- Typically occurs four to eleven days after administration of TMP-SMX, or immediately in patients with prior exposure
  - Other causative agents may be abacavir, azathioprine, ibuprofen
- Associated with fever, rash, conjunctivitis, lymphopenia, and end-organ dysfunction
- Cutaneous manifestations include a diffuse sunburn-like erythema without scale, and facial/acral edema and erythema
- DDx: DRESS, SJS/TEN, AGEP, viral exanthem, staphylococcal scalded skin syndrome, Kawasaki disease, viral exanthem, COVID-19 multiorgan inflammatory syndrome

Outcomes: Rapid improvement over the next few days with discontinuation of TMP-SMX and prednisone taper

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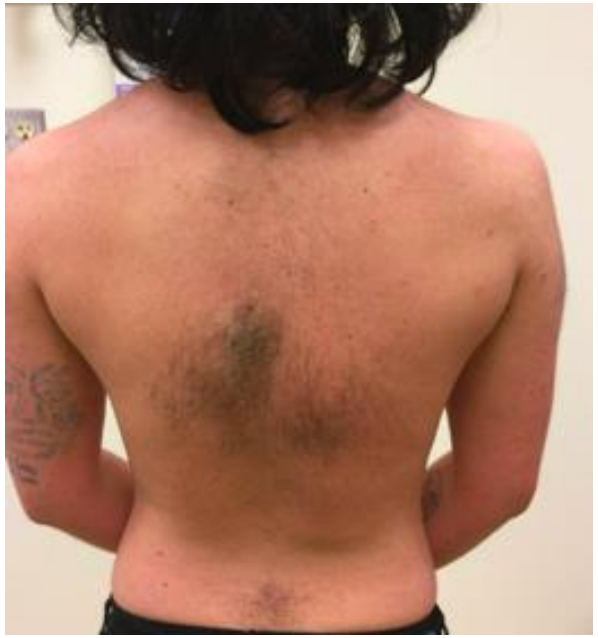
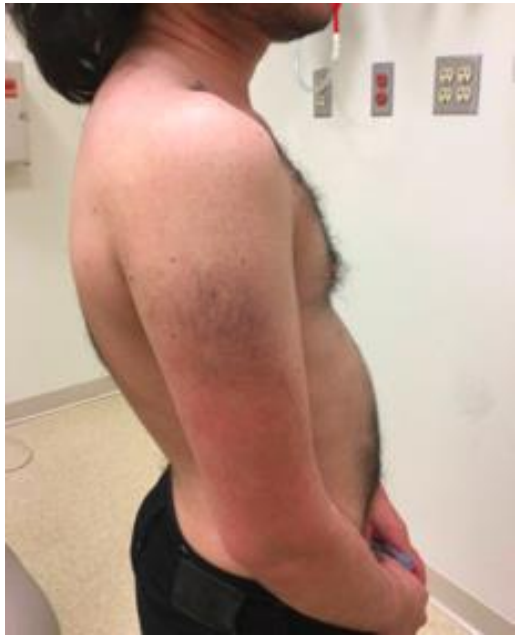
Follow Up

Resolution of the rash one month later at the outpatient follow-up visit after discontinuing TMP-SMX and prednisone taper





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Takeaways

- Consider SCoRCH Syndrome in the differential of diffuse erythematous rash after exposure to TMP-SMX
  - 4-11 days; <1 day if prior exposure
  - Other symptoms: fever, conjunctivitis, facial and acral edema and erythema, lymphopenia, and end-organ dysfunction

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References

- O'Brian M, Rose EK, Mauskar MM, Dominguez AR. Sudden Conjunctivitis, Lymphopenia, and Rash Combined With Hemodynamic Changes (SCoRCH) After Trimethoprim-Sulfamethoxazole Use: A Case Series Study of a Hypersensitivity Reaction. JAMA Dermatol. 2023;159(1):73-78. doi:10.1001/jamadermatol.2022.4657
- Ticknor IL, Lee MP, Kearns D, Ibraheim MK, Kraus C, Elsensohn A. Expanding the Histologic Spectrum of Sudden Conjunctivitis, Lymphopenia, and Rash Combined With Hemodynamic Changes. Am J Dermatopathol. 2023;45(10):718-720. doi:10.1097/DAD.0000000000002500