



2021 Annual Spring Virtual Meeting | Abstract Submission Form

A Painful Desquamative Eruption and the Potential Utility of the “Anti-Medication” History

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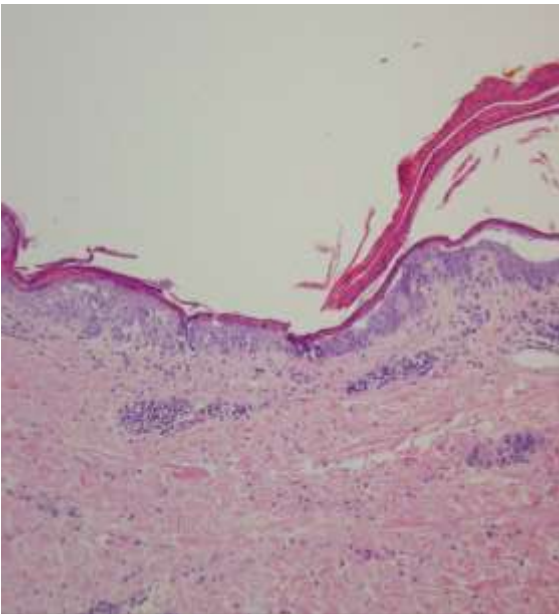
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A middle-aged female with history of chronic migraines presented to the emergency department with a two month history of progressive desquamative rash characterized by significant skin pain (Figure 1). Prior to her presentation, she was evaluated at another facility where punch biopsy was performed and was read as confluent epidermal necrosis with little inflammation, concerning for severe cutaneous adverse drug reaction, prompting her transfer. Further medical history was remarkable for Roux-en-Y gastric bypass. A complete drug history was unremarkable for additions or changes to pinpoint a potential culprit drug. On direct questioning about vitamin supplementation after her weight loss surgery, the patient denied taking any supplements for years. Repeat biopsy was performed which showed a vacuolar interface dermatitis with rare dyskeratotic keratinocytes, confluent parakeratosis, patchy hypogranulosis (Figure 2). A comprehensive nutritional panel was recommended which showed severe deficiency in several B vitamins, vitamins C, E, K, folate, and micronutrients such as zinc, selenium, and copper. The patient was diagnosed with mixed nutritional deficiency dermatitis and admitted for pain management and aggressive nutritional repletion. Although traditionally patients with gastric bypass have been thought to be at risk of nutritional deficiency, recent large reviews have indicated that all weight loss surgery methods (to include gastric sleeve, gastric banding, and duodenal switch) are at risk.¹ This case highlights the utility of querying which medications patients are *not* taking and considering nutritional deficiency dermatitis on the differential in all patients with history of weight loss surgery of any type.

Figure 1



Figure 2



Reference:

1. Parrott J, Frank L, Rabena R, Craggs-Dino L, Isom KA, Greiman L. American Society for Metabolic and Bariatric Surgery Integrated Health Nutritional Guidelines for the Surgical Weight Loss Patient 2016 Update: Micronutrients. *Surg Obes Relat Dis.* 2017 May;13(5):727-741. doi: 10.1016/j.soard.2016.12.018. Epub 2017 Jan 19. PMID: 28392254.