

Should systemic corticosteroids be relatively contraindicated in granuloma annulare?

Introduction

Facts about Granuloma Annulare (GA):

- GA is a benign granulomatous dermatosis that can be localized (LGA), generalized (GGA), and subcutaned
- GA's etiology is not fully understood, but it may invol delayed-type hypersensitivity reaction

LGA to GGA Transformation:

- LGA can be self-limited and is often treated locally w more commonly involves systemic treatment
- However, patients might receive systemic corticoster several reasons (their effectiveness, coexistent syste conditions that necessitate them, and/or from nondermatologists who are less familiar with GA
- We have observed the generalization of LGA into GC worsening of baseline GGA) upon corticosteroid tape sought to formally investigate this phenomenon

Methods

- Institutional Review Board approval was obtained to a retrospective medical record review of GA patients our clinic from 2013-2023
- Patients' disease distributions (LGA vs GGA) were determined via clinical documentation review
- LGA was defined as GA impacting only a single skin (e.g., neck or thigh), while GGA was defined as ten o GA lesions affecting more than one skin area (e.g., t either the upper or lower extremities and/or the head
- Statistical analysis was conducted via Chi-Square ar sample t-tests.

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Results

	Patient Demographics:
be ous	 144 patients met inclusion criteria, primaril females (125/144) with biopsy-proven GA 20 patiente ware preserie ed predicione to
lve a	 30 patients were prescribed predhisone ta Of these patients, 5/30 had presented at th GGA, 24/30 experienced LGA to GGA trans corticosteroid tapering, and 1/30 experienced
hile GGA	 The average initial prednisone dose was 3
roids for emic	and the majority of prednisone tapers were practice dermatologists (12/30) or primary
	 Prednisone tapers were associated with th GGA (p < 0.05).
SA (and ering, and	Figure 1a (left) and 1b (right): Visual illustration experienced local to generalized dissemination of a taper of oral prednisone. The lesions began on
perform s seen in	to her bilateral upper extremities
region or more runk and d). nd 2-	

Conclusions

ly non-Hispanic (141/144) (93/144)

pers

heir initial consult with nsformation upon ced no transformation after

80.3 mg daily (range 5-80 4.3 days (range 3-90 days), e prescribed by private care providers (8/30). ne progression of LGA into

n of an individual who of granuloma annulare after her neck before spreading



It appears that systemic corticosteroids might be associated with rebound in GA.

Future studies may consider utilizing standardized doses and durations of systemic corticosteroid monotherapy, while also recording exact numbers (and possibly severity scores) of lesions with precise timelines of generalization.

References

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