

**Fig. 4.**

Postoperative view flap 5 months after surgery showing the formation of the reentrant area on the initially vague alar-facial groove and minimal scarring caused by the V-Y advancement.

reconstruct the alar-facial groove. This technique reduces tension and yields more prominent results by providing a force in the medial direction.

### Patient Consent

The patient provided written informed consent for the publication and the use of their images.

### References

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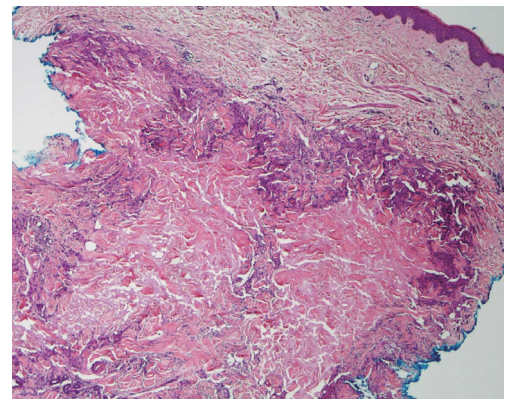
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We hereby report a case of a 41-year-old woman with a history of liposuction of the right hip 6 months previously who presented to her dermatologist with bilateral recurring erythematous skin nodules. On palpation, 1 cm tender nodules were identified in the bilateral hip region in close approximation to the liposuction scars and a shave biopsy was performed from the lesions on the right side. The clinical differential diagnosis included panniculitis, tumid lupus erythematosus, and infection. A biopsy was performed and the histopathologic examination revealed an interstitial palisading granulomatous dermatitis with dermal mucin deposition confirmed by colloidal iron stain (Figs. 1–3). We examined multiple H&E sections, and there was no evidence of polarizable or non-polarizable foreign material. Special stains (Gomori Methenamine silver stain [GMS], Periodic acid-Schiff [PAS], and Acid-fast bacilli stain [AFB]) were negative for fungus and mycobacteria and culture studies performed also were negative.

In light of the patient's history of liposuction immediately adjacent to the area of the nodules, we concluded that granulomatous dermatitis was induced by the liposuction procedure. There was no known history of any injectable material used in our case. The

**Fig. 1.**

Interstitial granulomas (H&E, ×40). Section of skin showing dermal palisading granulomatous inflammation with central area of interstitial mucin deposition.

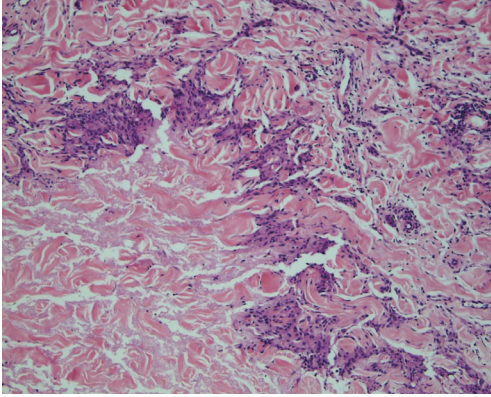
## Interstitial Granulomatous Dermatitis with Granuloma Annulare-Like Pattern Following Liposuction

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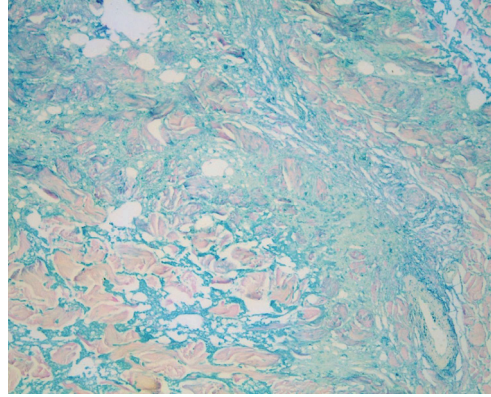
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**Fig. 2.** Interstitial granuloma with mucin (H&E,  $\times 100$ ). Sections demonstrating presence of palisading granulomatous dermatitis surrounding interstitial mucin deposits.



**Fig. 3.** Special stain highlighting mucin. (Colloidal iron stain,  $\times 100$ ). Colloidal iron stain highlights the mucin (blue) in the central part of dermal interstitial granulomas.

lesions have not recurred so far to the best of our knowledge.

Well-known adverse effects of liposuction include allergic contact dermatitis, seroma, post-inflammatory changes, and infection [1,2]. Rarely, a granuloma annulare-like reaction pattern secondary to foreign material has been reported after liposuction [3]. This is the first report to our knowledge of interstitial granulomatous dermatitis with a granuloma annulare-like pattern following liposuction, unassociated with any history of injected foreign material or foreign material by histologic examination.

## References

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