

LINEAR CHALAZIOSIS.

A 4-year-old little girl presented with a granulomatous lesion of the right lower eyelid, parallel to its free border, from which it was 5 mm far. The lesion, which was 3 cm long, 4 mm wide and raised for 3 mm (Fig. 1), with partially eroded surface started 2 months before. During her hospitalization in an ophthalmologic department, a dermatological consultation had raised a suspicion of leishmaniasis (1, 2). However, a fresh examination did not unveil leishmania and the pathological findings were consistent with an aspecific granuloma. The patient, who had unsuccessfully received for 22 days trimethoprim-sulphamethoxazole per mouth, underwent a topical treatment with fluticasone propionate. The latter induced a complete flattening of the lesion within 3 weeks. In the following 3 months new subinfrant roundish and elongated, confluent (Fig. 2) inflammatory lesions of the right upper and lower eyelid appeared. The latter regressed spontaneously or with topical antibiotic treatment within a few weeks, leading to the final diagnosis of **chalaziosis**.



Fig. 1

Chalazion is a subacute or chronic inflammation of meibomian glands. The latter are sebaceous glands located in the fibrous part or tarsus of the conjunctiva, whose ducts open on the eyelid margin. On the other hand, stye is an acute inflammation of Zeiss glands. The latter are sebaceous glands surrounding the eyelashes, whose ducts open in the ciliary follicle near the eyelid margin. Stye and blepharitis can precede or be associated with chalazion. Simultaneous or subsequent occurrence of multiple chalazia is called chalaziosis. In the reported case the linear shape was likely due to the simultaneous inflammation of multiple meibomian glands.

The **pathogenesis** of chalaziosis is not clarified, but probably affected by multiple factors as constitutional atopic and seborrheic factors, immunological factors (3), infectious factors mainly related to *Staphylococcus aureus* and dysmetabolic factors such as diabetes.



Fig. 2

References

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