Dermatitis herpetiformis (Duhring's disease)
Dermatitis Herpetiformis

"Dermatitis herpetiformis (Duhring's disease) دورة التهاب الأعقمات المتشاكلة = دورينج داء = اﻠﺸﻜﻞ اﻠﻌﻘﺒوﻠﻲ اﻠﺠﻠﺪ اﻠﺘﻬاﺐ

Dermatitis Herpetiformis
Dermatitis herpetiformis is an intensely pruritic, chronic recurrent dermatitis that has a slight male predilection. The condition is associated with gluten enteropathy and an increased but rare risk of lymphoma. Dermatitis herpetiformis is also reported to be associated with systemic lupus erythematosus (SLE).
Dermatitis herpetiformis (Duhring's disease) = دورينگ داء = الشکل الاعقبلي الاجلد الالتهاب

Histopathology
The typical histologic features are best observed in erythematous skin adjacent to early blisters. In these zones, the rete ridges lose their attachment to the dermis, and the blisters then become unilocular and clinically apparent. At this time, the characteristic papillary microabscesses may be observed at the blister periphery. For this reason, the inclusion of perivesicular skin in the biopsy specimen is of
Dermatitis herpetiformis (Duhring's disease) = دورﻴﻨﻎ داء = اﻠﺸﻜﻞ اﻠﻌﻘﺒوﻠﻲ اﻠﺠﻠﺪ اﻠﺘﻬاﺐ
utmost value. The papillary dermis beneath the papillae may have a relatively intense inflammatory infiltrate,

*IF Testing*
In 1967, Cormane described the presence of granular deposits of IgA within the dermal papillae in both lesional and non-lesional skin. The histological demonstration of these deposits is considered diagnostic. Direct immunofluorescence (DIF) can be used to confirm the presence of IgA deposits. However, repeat DIF is necessary, and biopsies should be taken from clinically normal skin immediately adjacent to any erythema, because false-negative results may occur when blistered or inflamed skin is evaluated. The presence of IgA deposits in at least two appropriately selected biopsy sites is a strong indication that the patient does not have dermatitis herpetiformis.
Circulating IgA antibodies that react against reticulin, smooth muscle endomysium, the dietary antigen gluten... as substrate, IIF has been used to detect antiendomysial antibodies, which are present in 52% to 100% of patients.

Pathogenesis

Three important findings must be considered in the pathogenesis of dermatitis herpetiformis.
Dermatitis herpetiformis (Duhring's disease) = دورينغ داء = اﻠﺸﻜﻞ اﻠﻌﻘﺒوﻠﻲ اﻠﺠﻠﺪ اﻠﺘﻬاﺐ

spruelike changes on jejunal biopsy. Patients with celiac disease develop IgA autoantibodies to tissue transglutaminase.
The IgA deposition results in activation of the complement system followed by chemotaxis of neutrophils.
Ultrastructural Study

The changes in dermatitis herpetiform resemble those observed in the inflammatory bullae of bullous pemphigoid.
Dermatitis herpetiformis (Duhring’s disease) = دورﻴﻨﻎ داء = اﻠﺸﻜﻞ اﻠﻌﻘﺒوﻠﻲ اﻠﺠﻠﺪ اﻠﺘﻬاﺐ