Kyrles Disease
Kyrle's disease is a rare disorder, described by Kyrle in 1916. There is controversy as to whether it represents a...
This eruption presents with a large number of papules, some coalescing into plaques, numbering in the hundreds and often are found in the vicinity of these lesions. Linear lesions related to possible koebnerization have been described.
Histopathology

The essential histopathologic findings include (a) a follicular or extrafollicular cornified plug with focal ... and absence of demonstrable collagen and elastin, (c) abnormal vacuolated and/or dyskeratotic keratinization of the epithelial cells extending to the basal cell zone, (d) irregular epithelial...
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Histogenesis: The primary event is claimed to be a disturbance of epidermal keratinization characterized by the formation of dyskeratotic foci and acceleration of the process of keratinization. This leads to the
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formation of keratotic plugs with areas of parakeratosis. Because the rapid rate of

differentiation and keratinization exceeds the rate of cell proliferation, the parakeratotic column

gradually extends deeper into the abnormal epidermis, leading in most cases to perforation of

the parakeratotic column into the dermis. Perforation is not the cause of Kyrle's disease, as

originally thought, but rather represents the consequence or final event of the abnormally

sped-up keratinization. This rapid production of abnormal keratin forms a plug that acts as a

foreign body, penetrating the epidermis and inciting a granulomatous inflammatory reaction. A

 Certain similarity exists between the parakeratotic column in Kyrle's disease and that observed

in porokeratosis of Mibelli. In both conditions, a parakeratotic column forms as the result of

rapid and faulty keratinization of dyskeratotic cells, but, whereas in Kyrle's disease the
dyskeratotic cells are often used up so that disruption of the epithelium occurs, the clone of dyskeratotic cells can maintain itself in porokeratosis Mibelli by extending peripherally.