PIGMENTATION

CASE SERIES OF VARIED PRESENTATIONS OF "DOWLING DEGOS DISEASE"

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Background: Dowling-Degos disease (DDD) is an uncommon genodermatosis characterized by acquired, reticulated flexural hyperpigmentation.
Additional findings include hypopigmented macules and papules ,comedone-like lesions, fingernail dystrophy and pitted perioral scars.
Herein we have described 3 cases of DDD with varied presentation.

Observation : A 45 year female presented with hyperpigmented lesions over the face and flexures, since 20 years, progressive but asymptomatic.Biopsy showed 'Antler like pattern'.
Second case is 19 year female born of 3rd degree consanguineous marriage, hypopigmented lesions over body since 5 years with similar lesions in elder sister and in father.Biopsy from hypopigmented lesion showed elongated rete ridges with hyperpigmentation at their tips in index case and in her sister while biopsy of hyperpigmented lesion of father showed characteristic"Antler like pattern"
Third case of flexural reticulate pigmentation with comedo like lesions over axillae, lower abdomen and back, perioral pits these findings are suggestive of DDD, he also had palmar pits and breaks in dermatoglyphics over palms which are seen in or characteristic of reticulate acropigmentaion of kitamura.
Histopathology of hyperpigmented lesion showed elongated rete ridges with hyperpigmentation at their tips.

Key message: In our case series DDD has got different presentations.Our second case is hypopigmented variant of DDD and third case connects to the hypothesis that overlaps between DDD and Reticulate Acropigmentation of Kitamura might be a single complex disease. There are different variations of DDD and it is likely that these variations are a result of different mutations within KRT5 gene.