



A RARE CASE REPORT OF NEVOID MELANOSIS ASSOCIATED WITH SMOOTH MUSCLE HAMARTOMA IN A FEMALE PATIENT

Dermatology

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KEYWORDS

INTRODUCTION:

Becker's nevus (BN) is a cutaneous hamartomatous lesions that often presents as a single unilateral hyperpigmented patch on the upper trunk, scapular region, or upper arm that could be accompanied by hypertrichosis.

Case Report:

A 16 year old female, presented with a slowly enlarging asymptomatic dark coloured lesion over entire back. The lesion first appeared when she was 6 year old, then noticed excessive hair growth over the lesion with the onset of puberty and also complaints of an asymptomatic raised, well demarcated lesion over the same lesion for 2 years .

On examination, a well defined hyper pigmented patch with irregular border, over the entire back sparing right scapular area with terminal hair over it. Clinical diagnosis of Becker's Nevus was made. Over the hyper pigmented patch, a well circumscribed hypertrichotic hyperpigmented plaque with irregular surface measuring about 8x 12 cm over left scapular region was observed (figure1).

A 4 mm punch biopsy was obtained showed epidermis comprised of stratified squamous keratinocytes, epithelium with underlying dermis shows smooth muscle fascicles and bundles at place show cart wheel pattern ,features consistent with smooth muscle hamartoma (figure2). Rest of the mucocutaneous, musculoskeletal, systemic examination and Hematological investigations were normal.

DISCUSSION

Becker's melanosis was described by S. William Becker in 1949 as "concurrent melanosis and hypertrichosis in the distribution of nevus unius lateris". It is characterized by a well defined hyperpigmented patch with irregular margins and associated hypertrichosis usually over the upper half of trunk and upper extremities. The prevalence in post-pubertal males is 0.5%. Though the male to female ratio is reported to be 4:1, some workers believe the disease is equally frequent in men and women but cases in women are under-reported and lesions are not conspicuous. Lesions are usually noticed during adolescence, are initially pale in colour and become more conspicuous after exposure to the sun. It starts as an area of irregular macular pigmentation which spreads to a diameter of several centimetres. The commonest sites are the shoulder, anterior chest and scapular region but lesions on the face, neck and distal limbs have been reported.

CONCLUSION:

Beckers nevus is extremely rare in females and only few cases have been reported in literature as abnormal androgen sensitivity is implicated in its pathogenesis and should be completely examined for accompanying developmental / musculoskeletal disorders such as smooth muscle hamartoma, pectus excavatum, limb shortening, and spina bifida .Our case shows a rare association of Beckers nevus with smooth muscle hamartoma in a female patient

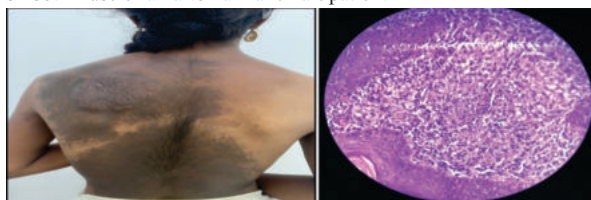


Figure 1 A well circumscribed hypertrichotic hyperpigmented plaque Over the hyper pigmented patch

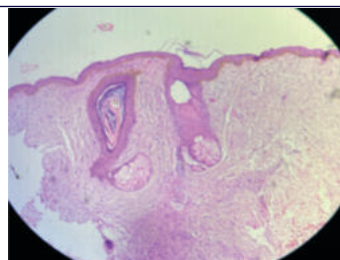


Figure 2 Epidermal hyperplasia with thickening and elongation of rete ridges with flat bottoms. The basal layer shows increased melanin pigmentation

REFERENCES

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