

Case Report : A Rare Case Of Multiple Giant Dermatofibroma

QN Woo (1) ; YS Kor (1) ; Jasvinder S (1) (1)

Orthopaedic Department, Hospital Taiping

INTRODUCTION :

Dermatofibromas also can be called as histiocytoma are benign, fibrohistiocytic, dermal tumours.(1) Giant dermatofibromas have been reported with aneurysmal dermatofibroma, monster cell , atypical, lipidized and combined histological characteristic.(2) The following characteristic have been accepted a. Size >5cm ; b) pedunculate c.) benign biological behaviour despite it size d.) the same histopathological characteristics as the conventional dermatofibroma.(2) Multiple dermatofibrosarcoma are commonly associated with genetic disorder, immunosuppressive, autoimmune disease and immunosuppressive agent, psoriatic medication and antineoplastic agent We are presenting a rare case of multiple giant dermatofibroma.

REPORT :

Madam G is a 65 years old lady with underlying diabetes mellitus , hypertension and bronchial asthma. Patient presented with history of multiple swelling bilateral upper and lower limb for more than 7 years . She claimed that the swelling are painless . She claimed that she notice multiple swelling bilateral upper and lower limb since years ago with the largest on the right elbow however she did not seek for any treatment in view of painless swelling. The swellings has undergone steady growth and initially did not cause any discomfort to the patient and as the tumour grow larger it cause discomfort such as patient is having problem with the clothes and shoe wear.

Upon Examination , patient have multiple swelling on bilateral upper and lower limb commonly on the joint area. The largest on extensor of right elbow . It appear as pedunculated swelling measuring 7cmx 5cm x 3cm swelling which is soft in consistency. Bilateral heel region also noted swelling measuring 5cmx 8cmx 3cm . One small swelling on the dorsum of left 3rd metatarsophalangeal joint . Presence of mild swelling on the left knee. The swelling are soft in consistency. Hyperpigmentation on the skin surface. No sinus or dilated veins noted. The structure are not attached to the underlying structure .

Patient was planned for excision biopsy of the right elbow pedunculate structure . Intraoperatively , the structure is not attached to any underlying structure . Histopathology reported to be polypoidal dermal base lesion. It is reported to be dermatofibroma (lipidized variant) , and no malignancy change.

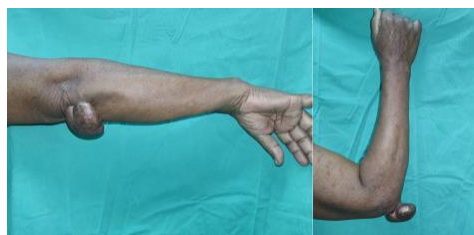


Figure A : Pedunculated Swelling Of Right Elbow

Figure B : Bilateral Ankle Swelling



Figure C : Bilateral knee swelling



Figure D : Swelling at the dorsum of left foot

DISCUSSION :

Dermatofibroma is a common benign cutaneous lesion . However, multiple large dermatofibroma is a rare presentation. Multiple dermatofibromas can be associated with several systemic conditions including physiological changes in pregnancy, chromosomal abnormalities, metabolic disturbance, haematological malignancies, immunodeficiencies and autoimmune disease. Evaluation of systemic condition should be priorities when patient presented with multiple dematofbromas.

REFERENCE :

1. Beatrous SV, Riahi RR, Grisoli SB, Cohen PR. Associated conditions in patients with multiple dermatofibromas: Case reports and literature review. *Dermatol Online J.* 2017 Sep 22;23(9):13030/ qt8zv852d8. PMID: 29469716.
2. Hueso L, Sanmartín O, Alfaro-Rubio A, Serra-Guillén C, Martorell A, Llombart B, Requena C, Nagore E, Botella-Estrada R, Guillén C. Dermatofibroma gigante: descripción de un caso y revisión de la literatura [Giant dermatofibroma: case report and review of the literature]. *Actas Dermosifiliogr.* 2007 Mar;98(2):121-4. Spanish. PMID: 17397601.