Introduction

Hidradenomas, also known as nodular hidradenomas are benign relatively common cutaneous eccrine tumors (1). Giant forms of hidradenomas are rarely reported in the literature (1,2). Herein, we report a 14 year old boy with a giant clear cell hidradenoma of the left thigh.

Case Report

A 14-year-old boy was admitted to our outpatient dermatology clinic for a soft tissue mass on the left inner thigh. The family explained that the mass had started as a bluish-red slightly tender plaque 2 months ago, thereafter it started to get firm and more appreciable. Soon after the mass expanded to its final dimensions, pain had started. The patient had no characteristics on personal medical and family history. On dermatologic examination, a bluish to skin colored soft tissue mass was palpated on the left inner thigh with a multinodular appearance (Figure 1). The regional lymph nodes were not palpated, the rest of the physical examination was normal. The tumor's dimensions were noted as 10 cm x 7 cm x 12 cm. According to the clinical examination, differential diagnoses of pediatric soft tissue tumors including desmoid fibromatosis, fibrosarcoma, liposarcoma, leiomyosarcoma, metastasis of neuroblastoma, vascular hemangioma, cystic hygroma and angiosarcoma were made. A slight possibility of cutaneous adnexal tumours were kept in mind as the lesion was firm but not infiltrative clinically.
there was a bluish hue and lesion was tender when palpated. In addition, patient’s general condition was very good and there were no additional accompanying comorbidities. Because of the abrupt appearance and giant dimensions of the lesion, the patient was consulted with pediatric surgery based on the differential diagnoses. An excisional biopsy was performed with total resection of the tumor (Figure 2). On histopathologic examination, both solid and cystic areas with papillary excrescences were noted, cuboid cells lined the glandular spaces, mitotic figures and necrosis were not observed and a diagnosis of benign hidradenoma was made.

**Discussion**

Hidradenomas, also known as nodular hidradenomas, clear cell hidradenoma or acrospiroma are benign relatively common cutaneous eccrine tumors (1,2). The tumor arises from the distal excretory duct of sweat glands (3). They are mainly seen on the scalp, trunk and extremities but also reported to be seen in face, palms, axilla and shoulder (1-4). Hidradenomas occur most common in the adulthood and in women twice as commonly as men (2-5). They generally enlarge slowly, can be solid or cystic clinically. When they reach to large sizes they are referred as giant hidradenomas which may present with tenderness and change in skin color (5-8). Hidradenomas are usually slow growing tumors but as in our case they may show abrupt progression. The differential diagnosis must include cystic hygroma, soft tissue tumors like fibrosarcoma, synovial cell sarcoma, osteochondroma and neuroblastoma metastasis in childhood (3,9). Histopathology and immunohistochemical staining are helpful in differentiation and final diagnosis (3,8,9). Hidradenomas are characterized by cuboidal or columnar cells lining tubular lumina and they also contain cystic spaces. Recognition of polihedral basophilic cells and glycogen containing pale cells is a strong clue for sweat gland origin of the tumor. Malignant hidradenomas are rarely reported in the literature, in this case nuclear atypia, bizarre mitotic figures, infiltrative patterns, necrosis and invasion may be seen (1,3,4). Follow-up of hidradenomas can be mandatory, as a young girl with a diagnosis of benign hidradenoma progressed to a malignant sweat gland carcinoma with metastasis within a decade in the literature (10).

To our knowledge, our case is the first reported giant hidradenoma located on the thigh in childhood. We find our case appreciable to be presented as it emphasizes how important it is to remember cutaneous adnexal neoplasias as a differential diagnosis in cutaneous giant masses in childhood and the differential diagnoses are highly variable according to the age of the patient in such a case. In our case,
excision of the mass was diagnostic and therapeutic hence a recurrence was not observed to a 6 month clinical follow up.

**Ethics**

**Informed Consent:** A consent form was completed by all participants.

**Peer-review:** Internally peer-reviewed.

**Authorship Contributions**


**Conflict of Interest:** No conflict of interest was declared by the authors.

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**References**


