

Scalp Squamous Cell Carcinoma in A 14 Years Old Child: A Case Report

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Abstract

Case Report

Scalp tumors are typically benign in adults, but malignant forms, such as squamous cell carcinoma, can be severe due to delayed diagnosis and inadequate management. This article presents a rare case of scalp squamous cell carcinoma in a 14-year-old child, developing on a trichilemmal cyst that had been manipulated with traditional products. Surgical excision confirmed clear margins, followed by a skin graft and oncological management without cervical lymph node dissection. This case highlights the rarity of scalp squamous cell carcinoma in children and the importance of early diagnosis and appropriate treatment.

Keywords: Squamous cell carcinoma, scalp, child, trichilemmal cyst, malignant tumor, surgery, radiotherapy, early diagnosis.

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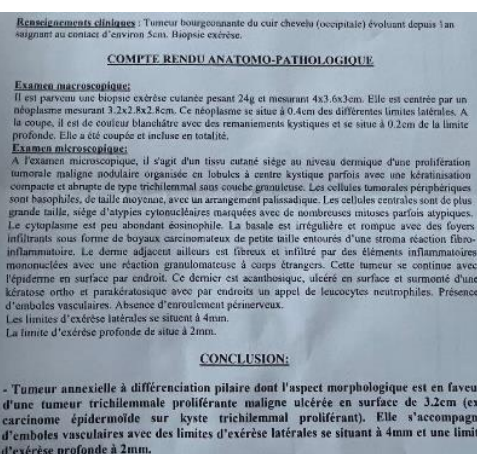
I. INTRODUCTION

Scalp tumors typically occur in adults and are predominantly benign forms. Squamous cell carcinoma is the most predominant malignant tumor [1, 2]. The high mortality of malignant forms could be explained by delayed diagnosis and poor management [3].

II. OBSERVATION

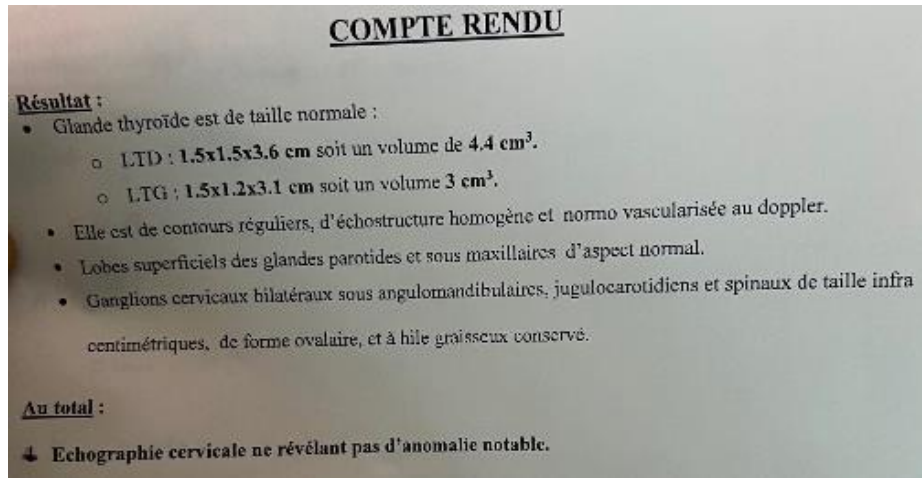
This is a 14-year-old child, a student, with no particular medical history. He presented with a painful nodule near the occiput, which had been manipulated

with traditional products for 1 year and 4 months prior to admission. The evolution showed a progressive increase in the size of the nodule, leading to a biopsy and excision. The histopathological result confirmed a squamous cell carcinoma on a trichilemmal cyst with vascular emboli. Upon general examination, the patient was conscious and well, with no signs of general health deterioration. Locally, there was an ulcerated and budding lesion near the occiput, superficial and mobile in relation to the deep plane. Examination of the lymph nodes revealed bilateral submandibular lymphadenopathies of juxta-centimetric size, without other associated anomalies.

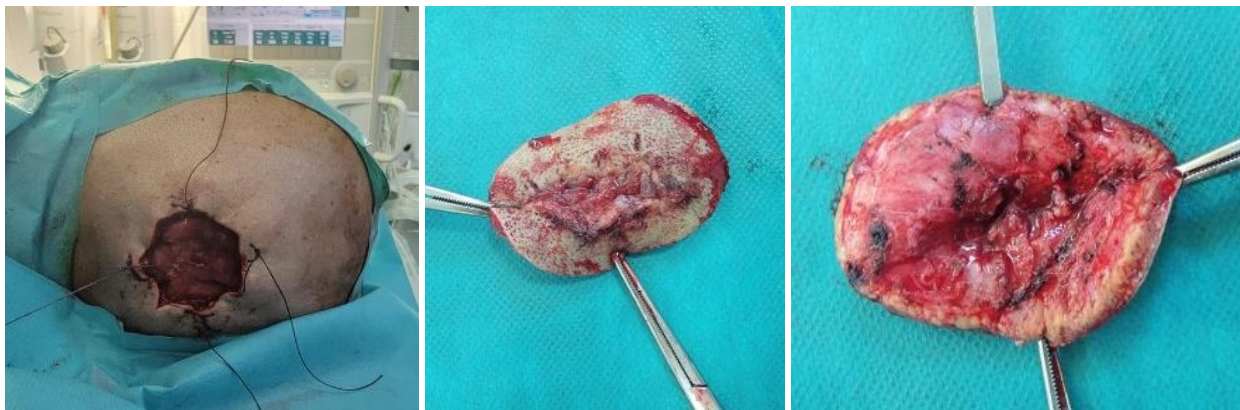


Cervical ultrasound showed infra-centimetric bilateral lymph nodes. A CT scan of the abdomen and pelvis ruled out secondary localization.

A CT-scan of the abdomen and pelvis ruled out secondary localization.



The patient was then scheduled for tumor excision with 1 cm margins on either side, respecting the non-invaded periosteum.



The histopathological result of the operative specimen showed clear margins between 1.3 and 1.6 cm. Subsequently, the child was scheduled for a thin skin

graft to cover the tissue loss and was referred to oncology for radiotherapy without the need for cervical clearance.



III. DISCUSSION

Squamous cell carcinoma of the scalp in children is a rare but possible condition. Although more common in adults, it can also affect children, usually due to excessive sun exposure or similar risk factors.

The symptoms and treatment of scalp squamous cell carcinoma in children are similar to those observed in adults and depend on the tumor size, location, and stage.

Treatment may include surgery combined with radiotherapy or chemotherapy, followed by regular monitoring. Prevention is also important to reduce the risk of occurrence or recurrence, including sun exposure and monitoring of suspicious lesions [6].

IV. CONCLUSION

Scalp squamous cell carcinoma is seen more commonly in the elderly, but it can occur in children, although rarely. No similar cases were found in the literature, leading to limited discussion and references.

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