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### RESEARCH ARTICLE

#### CONGENITAL TRICHOFOLLICULOMA: A CASE REPORT

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#### Abstract

Congenital trichofolliculoma is a rare benign cutaneous tumor characterized by the presence of hair follicles in different stages of development within a dilated central follicular cavity. Very rarely congenital cases have been reported. We present a case of five-year-old girl with an asymptomatic hairy elevated lesion on her nose since birth. Laboratory investigations revealed normal complete blood picture, liver function and renal function tests. Dermoscopy showed small tuft of hair protruding from centre of lesion. Skin biopsy confirmed the diagnosis of congenital trichofolliculoma. Simple surgical excision of the lesion was performed, resulting in complete healing without scarring. This case highlights the importance of recognizing and managing congenital trichofolliculoma in pediatric patients.

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#### Introduction:-

Trichofolliculoma is uncommon hair follicle hamartoma. It usually appears during adulthood on face or scalp as an isolated, skin coloured papule or nodule and exhibits a central umbilication from which small hairs may protrude. The lesions may be confused clinically with an epidermal inclusion cyst, dilated pore of Winer or basal cell carcinoma. Several benign conditions in the clinical differential diagnosis of trichofolliculoma are melanocytic nevus, epidermoid cyst, trichoepithelioma, fibrofolliculoma and neurofollicular hamartoma.

It typically presents as an asymptomatic, solitary, skin colored papule with protruding hairs, most commonly occurring on the face, scalp, or neck. Here, we report a case of congenital trichofolliculoma in a five-year-old girl, emphasizing the clinical presentation, diagnostic approach, and management strategies for this rare condition.

#### Case Report:

A five-year-old girl presented with an asymptomatic hairy elevated lesion on nose since birth. Lesion was gradually progressing in size. No history of any discharge from the lesion. No history of lesions anywhere else on the body. Not associated with any systemic or skin abnormalities. No history of similar lesions in the family.

On examination, A skin coloured papule with a central umbilication and small protruding hairs noted over dorsum of nose.

Laboratory investigations including hemoglobin and complete blood picture, liver function and renal function tests were within normal limits. Dermoscopy showed a central tuft of hair protruding. Skin biopsy revealed a central

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dilated follicle containing keratin and hair shafts with multiple hair follicles in different stages of development. The lesion was surgically excised, resulting in complete healing without scarring and recurrence.

### Discussion:-

Congenital trichofolliculoma is a rare entity that usually presents at birth or early infancy as a solitary papule with hairs protruding from the center. Histopathological examination of the lesion typically shows a central follicular cavity filled with keratin and hair shafts at various stages of development. Alternative pathological conditions that should be considered in the histological differential diagnosis include trichoepithelioma, fibrofolliculoma, hair follicle nevus, pilar sheath acanthoma, trichoadenoma. Surgical excision is the treatment of choice and is usually curative, with a low risk of recurrence. Recognition of this benign lesion is essential to avoid unnecessary investigations and interventions.

### Conclusion:-

Congenital trichofolliculoma is a rare benign cutaneous tumor that should be considered in the differential diagnosis of asymptomatic papules with hair on the face, scalp or neck in pediatric patients. Timely diagnosis and appropriate management, such as surgical excision, can lead to complete resolution without scarring. Awareness of this condition among clinicians is crucial for accurate diagnosis and optimal patient care.

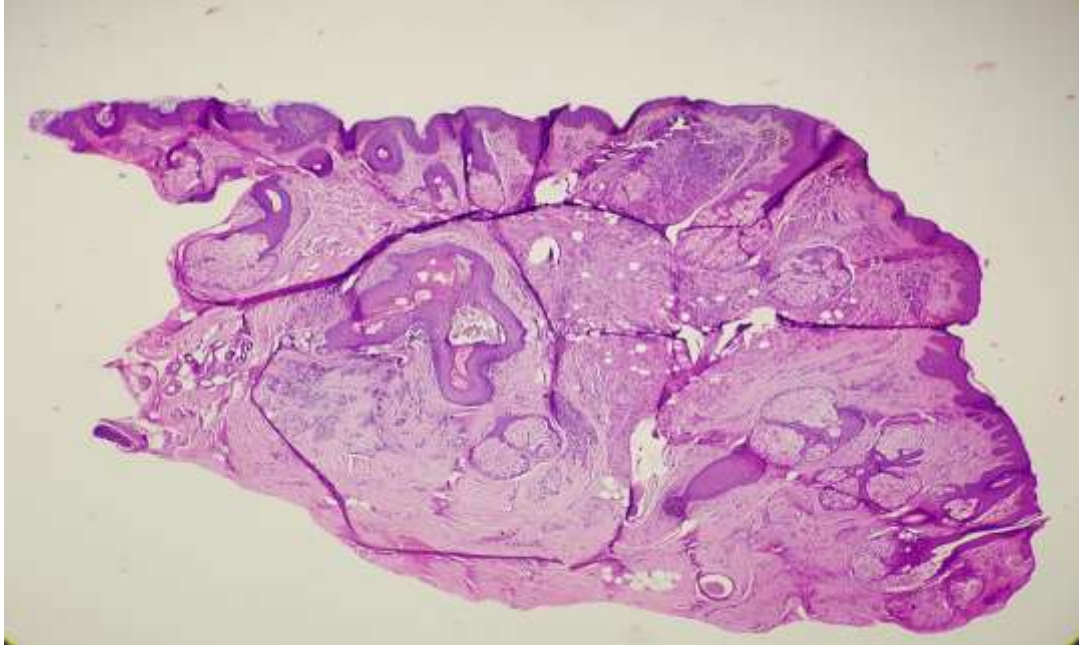


Fig. 1



Fig.2

A skin coloured papule with a central umbilication and small protruding hairs noted over dorsum of nose(Fig.1) Dermoscopy showing a well defined papule with central small tuft of hair protruding(Fig.2)



**Fig.3:-**

Histopathological image of skin biopsy showing dilated cyst lined by squamous epithelium containing keratin and hair follicles which are in different stages of development.

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