

Hair Follicle Nevus: First congenital case in a latin male

Dear Editor,

A healthy 4 month old boy was brought to our department; an only child to non-consanguineous parents, bearer of a congenital papule in the nasal tip of a few millimeters in diameter, flesh-colored, asymptomatic. The dermoscopy showed yellow globules from which emerge fine hairs without pigment and linear vessels in the lesion's periphery. The histopathology revealed a hamartoma located in the superficial and deep reticular dermis made up of well differentiated hair follicles without acrotriquium involvement compatible with a hair follicle nevus (HFN), which was completely excised. (Figure 1 and 2)

The HFN is a benign, congenital, or acquired hamartoma of unknown cause that could be due to somatic mutations during fetal life, it affects the head and neck oh children and young adults and appears as a single papule or nodule of a few millimeters, flesh-colored, usually asymptomatic.¹ In 1984 Pippione et al. described the pure or complete form of NFP which is generally congenital and consists of proliferations of small, well-differentiated hair follicles occasionally accompanied by sebaceous glands and hair muscle without acrotrich involvement.²

The main differential diagnoses of NFP are trichofolliculoma and accessory tragus, which are considered within the spectrum of the same entity by some authors, however, there are clinical and histological characteristics that differentiate them. For tan adequate interpretation of the NFP, multiple sections must be evaluated at different histological levels.³ Trichofolliculoma usually affects adults, in the dermis they show cysts or keratinized sinus tracts lined by squamous epithelium.⁴ The accessory tragus affects the preauricular region in children, it has hair follicles and skin appendages in different stages of maturation as well as a central cartilaginous component.⁴ Cytokeratin 19 shows positivity for NFP, is negative for trichofolliculoma and weakly stains the accessory tragus, however, there are no large-scale studies that support its use.¹



Figure 1
Papule in the nasal tip

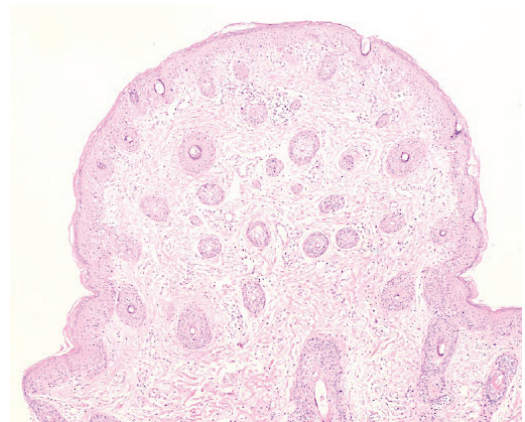


Figure 2
Well differentiated hair follicles forming a dermal hamartoma

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The NFP has been more frequently described in Asian populations. Nagarajan in 2016 reported 29 cases worldwide of which 20 were congenital, including a 1-month-old Latin twin girl; we report the first case of pure and congenital NFP of atypical location in a Latino male. This report encourages us to consider NFP as part of the differential diagnosis of congenital papules or nodules.^{4,5}

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