



NAIL DISORDERS

## ONYCHOMATRICOMA: RARE AND UNDERREPORTED NAIL MATRIX TUMOR. CASE REPORT AND REVIEW OF LITERATURE.

*M Mora Morelos<sup>(1)</sup> - G Sierra Silva<sup>(1)</sup> - La Díaz Ponce De León<sup>(1)</sup> - Vm Tarango Martínez<sup>(1)</sup>*

*Instituto Dermatológico De Jalisco, Universidad De Guadalajara, Guadalajara, Mexico<sup>(1)</sup>*

**Background:** The onychomatricoma is a rare, benign, slow-growing nail matrix tumor, its etiology is still unclear, but it has been associated to some factors such as trauma or onychomycosis; it is characterized by presenting finger-like projections. Most cases are underreported and identify wrongly as onychomycosis. It affects mostly to middle-age Caucasian women, being found in their fingernails. It's clinically identified as a yellowish wide line across the length of the nail plate, thickening the nail border with onycholysis, a tendency to overcurvature of the affected nail and splinter hemorrhage. Dermatoscopic findings show honeycomb-like cavities in the distal border. The diagnostic method is made by nail matrix biopsy presenting fingerlike projections with parakeratosis, immunohistochemically examination with positive markers for CD10 and CD34. The treatment consists in complete surgical excision, with the objective to eliminate any kind of reappearance.

**Observation:** 40-yo female, living in Guadalajara, México. She began with "black stain and thickening" in the second left fingernail a year ago. Visited her first contact doctor who prescribed antifungal agents without clinical response. Then, mycological examination were made with negative results. That's why she decided to go to Instituto Dermatológico de Jalisco "Dr. José Barba Rubio."

It's been identified a dermatosis in the second left finger nail, consisting of melanonichia, yellowish coloration across the nail plate, transverse overcurvature and distal subungueal hyperkeratosis. Dermatoscopic findings reveal honeycomb-like cavities in distal portion. Nail matrix biopsy was made to corroborate the diagnosis of onychomatricoma. Once confirmed, a complete excision of the tumor was made, with no signs of recurrence.

**Key message:** This is about an underreported nail matrix tumor, most cases mimicking onychomycosis and treated as such; which consequently failed to respond to antimycotic treatment and with negative mycological test, provoking the delaying of an accurate diagnosis and treatment for up to 20 years.

