



INFECTIOUS DISEASES (BACTERIAL, FUNGAL, VIRAL, PARASITIC, INFESTATIONS)

## BOWEN'S DISEASE LIKE CHROMOBLASTOMYCOSIS

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Background: Chromoblastomycosis is one of the most prevalent implantation subcutaneous mycosis, caused by a group of melanized fungi, in 95.8% by *Fonsecaea pedrosoi*. Clinically it presents with different types of lesions: nodular, tumoral, verrucous, cicatricial, plaque and a mixed form. The diagnosis requires laboratory confirmation by direct mycological examination (observation of muriform cells) and/ or histopathology (hyperkeratosis, pseudoepitheliomatous hiperplasia of the epidermis, irregular acantosis, inflammatory infiltrate, suppurative granulomas and muriform cells).

Observation: We present 3 cases of Bowen like chromoblastomycosis.

### Case 1

A 33-year old woman with a history of pituitary adenoma presented with a 1-year history of itching on the forearm. Physical examination on the right forearm revealed a brown- violet plaque, with raised edges and scale. Mycological examination showed muriform cells. Histopathological findings were confirmative of Chromoblastomycosis. The patient was treated with itraconazole 300 mg daily.

### Case 2

A 50-year old male farmer, presented a 1-year history of a erythematous verrucous plaque on the inferior angle of the scapula resembling Bowen's disease, following a trauma by a stick of wood. Mycological examination and histopathological findings were confirmative of Chromoblastomycosis.

### Case 3

A 63-year old man, resident of Mexico city presented with a 2-year history of a red- scaly plaque on the right arm suggestive of Bowen's disease, histopathological examination showed pseudoepitheliomatous hiperplasia of the epidermis, irregular acantosis, inflammatory infiltrate, suppurative granulomas and muriform cells. The patient was treated with itraconazole 300 mg daily for 8 months with improvement.





Key message:

- Chromoblastomycosis is the most important subcutaneous mycosis of tropical places
- In the initial phase it can resemble Bowen's disease.
- Mycological examination and histopathology are very important for the differential diagnosis of this disease.

