



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

## **ERYTHRASMA: REPORT OF 49 CASES AT THE INSTITUTO DERMATOLOGICO DOMINICANO Y CIRUGÍA DE PIEL "DR. HUBERTO BOGAERT DIAZ" DURING THE PERIOD JANUARY 2015 TO DECEMBER 2017**

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**Introduction:** Erythrasma is a pseudomycosis and its etiological agent is *Corynebacterium minutissimum*. Predominates in the male sex, and it is mainly located in intertriginous areas. Clinical manifestations are plaques with erythema, vesicles, scaling and brownish macules well defined. The diagnosis is clinical and it is confirmed by observing the lesions with the Wood's light exhibited coral-red fluorescence and by direct mycological with Gram stain. Erythromycin orally is considered the treatment of choice, fusidic acid, Whitfield ointment and antibacterial soaps.

**Objective:** Determine the incidence of erythrasma during the period January 2015 to December 2017.

**Material and methods:** A retrospective study over a 2 year period including the patients diagnosed as having erythrasma after a Wood's light examination and direct mycological with Gram stain.

**Results:** During those 2 years a total of 49 cases was obtained, 38 female and 11 male; the most frequent age was between 40 and 50 years, the most frequent location was the armpits, followed by the submammary region, 38 patients of the total suffered from diabetes mellitus.

**Conclusion:** The disease is rarely contagious and can be confused with other dermatosis, its pathogenesis is unknown, but it is associated with entities such as diabetes mellitus and obesity. It has been reported a higher incidence in black women living in hot climates such as the Dominican Republic where its temperature ranges between 25 °C and 35 °C, and 49% of the population is black race, data that favoring the appearance of this entity. In





comparison with the Reports from other countries in our country could be observed a great incidence, due to the associations and factors described above.

