

Bowen's disease with compact orthokeratosis at perianal region: a case report

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Abstract: Bowen's Disease (BD) is an in situ squamous cell carcinoma (SCC) of epidermis, potentially malignant, which mainly affects sun-exposed areas. Nevertheless, the disease had an increased incidence in non-photo exposed areas, such as the anogenital region, correlating ambient exposures, highlighting the Human Papillomavirus (HPV) infection as an important risk factor. BD has a positive prognosis according to its slow progress and prolonged time taken for full expression. In the anogenital region, presented in this case, the risk of invasive carcinoma is less than 6%. This case reports an unusual presentation of BD, describing a lesion with compact orthokeratosis in the anogenital region. The condition was diagnosed in a prevention routine of primary care attention, emphasizing the importance of premature diagnosis and satisfactory treatment, not just at BDs, but in a variety of conditions.

Keywords: Neoplasms; Squamous Cell Carcinoma; Bowen's disease; Primary Health Care.

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1. Introduction

Bowen's Disease (BD) was first described in 1912 by John Templeton Bowen and consists of a squamous cell carcinoma (SCC) in situ [1]. However, only 27 years later after his discovery, the BD was described in the perianal region [2]. BD is an unusual lesion that slowly grows and holds the pattern of preserving the basal membrane of epidermis [3]. It can encroach on any part of the human body but is usually located in photo exposed areas [4]. However, non-photo-exposed areas can be affected, such as its presentation at the anogenital region, which younger patients, between 30 and 40 years old, are most affected [5].

Among the challenges of BD early diagnosis includes its lenified progression and slow presentation behavior, scarce symptomatology and multiple macroscopic phenotypes which produces a vast number of differential diagnoses [6]. This case reports an atypical presentation of Bowen's Disease in the perianal region. Our primary objective consists of describing the disease presentation and highlighting the primary care health attention as the key to the construction of the health chain and effective health promotion.

2. Case Report

The presented case study describes a unique occurrence of Bowen's disease (BD) in a 42-year-old female's perianal region. The patient, a smoker with a history of 11 pack-years,