A 30-year-old reported a feeling of ceaseless itching, specifically in her fourchette. The patient was not sexually active and had been diagnosed with psoriasis located on her elbows, hair line, and feet. She had frequent recurrences and her treatments involved high potency topical and oral steroids, skin moisturizers, coal tar, vitamin D, and ultraviolet rays targeted at her lesions. Her dermatologist referred her back to her primary care physician who then tested her for bacterial vaginosis, candidiasis, and common STDs. All came back negative. During the examination, an area in the fourchette, between the mucosa and skin, had a well-demarcated area of 1.7 cm that was noted to be erythematous, slightly raised, and non-scaly. This area was then identified by the patient as the area that was itching. Given her medical history and the clinical presentation of the lesion, the patient was diagnosed with vulvar psoriasis with a good degree of certainty. A biopsy was declined by the patient. The patient was advised to wear smooth cotton unscented underwear, to keep the area well moisturized with moisturizing ointments, and wearing lose clothing.

DISCUSSION

• Genital involvement can be associated with considerable psychological stress, with a negative effect on quality of life, especially on sexual relationships.1
• Vulvar psoriasis may present with the classic plaque type or inverse psoriasis, with a non-specific, poorly demarcated erythema. Generally, this presentation also includes mild to severe pruritus of the affected area.2
• The genital area tends to be more prone to friction and perspiration which may cause increased pain or burning sensation due to increased inflammation.3
• Diagnosis is based on clinical presentation. Routine biopsy of lesions is not needed for diagnosis, but histopathologic features of vulvar psoriasis are similar to those from non-genital psoriasis.4
• Clinical confirmation is often provided by whole-body skin examination, which reveals features of generalized or inverse psoriasis.4
• Diagnosis may be complicated by superimposed infection, contact dermatitis or changes of lichen simplex chronicus. Differential diagnosis includes but not limited to vulvovaginal candidiasis, sexually transmitted infections, lichen simplex chronicus, extra-mammary Paget’s disease, and contact dermatitis. If clinical diagnosis is unclear or lesions are unresponsive to treatment, then skin biopsy may be warranted.3,5
• Treatment guidelines for vulvar psoriasis generally follow the same treatment plan as intertriginous psoriasis treatment. First line treatment includes topical steroids. Topical steroid use comes with the risks of atrophy, telangiectasia, striae, and ulceration. Topical vitamin D analogs or topical calcineurin inhibitors are a good option for long term therapy, as they do not share similar risk profiles.5,6
• Adjunct treatments include hydration and emollients as keeping psoriatic skin soft and moist minimizes the symptoms of itching and tenderness. Severe vulvar psoriasis may require systemic therapy, such as methotrexate or other biologic agents.7,8

REFERENCES


CONCLUSION

Psoriasis is a fairly common chronic skin condition that can present itself in many different areas on the body. Vulvar psoriasis can be a difficult diagnosis that should be considered in patients presenting with a chronic erythematous vulvaria without vaginitis. Thorough history and physical should be taken into consideration. The condition can cause major psychological burden by decreasing one’s quality of life and stress on sexual relationships. Psoriasis and all of its satellite lesions are a chronic relapsing skin condition that requires long-term management.

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