

Papulo Squamous Eruptions of Human Penis Four Cases Reported

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1. Abstract

1.1. Background: Noninfectious lesions may be classified as inflammatory and papulo squamous (e.g., psoriasis, lichen planus, lichen nitidus and lichen sclerosis et atrophicus).

1.2. Objectives: To identify the chronic skin disease of human penis.

1.3. Patients and Methods: Forty years old four male's Yemeni patients presented with non-itchy and itchy, scaly and non-scaly erythematous papules skin eruptions in the shaft and glans penis. The duration was one year. Skin biopsy was done and examined histopathological. They treated with topical steroids.

1.4. Results: The clinical data and the investigations showed four patients had psoriasis, lichen planus, lichen nitidus and lichen sclerosus et atrophicus of their shaft and glans penis.

1.5. Conclusion: Papulo squamous eruptions of human penis are common skin diseases in the republic of Yemen.

2. Comment

Histopathological findings of 10 representative features of psoriasis were investigated on each slide: regular elongation of the rete ridges, elongation of the dermal papillae, edema of the dermal papillae, dilated blood vessels, thinning of the suprapapillary plate, intermittent parakeratosis, absence of a granular (Figure 4). Histology of lichen planus. There is irregular epidermal hyperplasia forming a characteristic saw-tooth appearance with wedge-shaped

hypergranulosis . The basal layer of the epidermis exhibits vacuolar degeneration with typically prominent necrosis of individual keratinocytes (Figure 2). lichen sclerosus et atrophicus, the collagen fibers appeared green in the reticular dermis at both early and late stage. In the papillary dermis the fibers appeared orange at an early stage and greenish orange at a late stage (Figure 8). The histology of lichen nitidus is very typical and described as the 'claw and ball' appearance: Focal dense lymphohistiocytic infiltrate in the upper dermis very close to the epidermis. Langhans giant cells are often present in the infiltrate. Rete ridges of the epidermis are elongated and 'clutch' the infiltrate (Figure 6). Psoriasis Pruritus Red or salmon-colored, papulosquamous, circinate plaques that are often associated with white or silvery scales; usually systemic (Figure 3). Lichen planus Pruritus, soreness Flat-topped, polygonal, violaceous papules; often extragenital (Figure 1). Lichen sclerosus Phimosis, painful erections, obstructive voiding, itching, pain, bleeding Hypopigmented, thinned, phimotic prepuce; texture similar to cellophane; isolated to prepuce and glans penis (Figure 7). Lichen nitidus Asymptomatic Pinhead-sized, hypopigmented papules; often extragenital. (Figure 5). Psoriasis Topical corticosteroids Vitamin D3 analogues, tacrolimus (Protopic), or pimecrolimus (Elidel)). Lichen planus Topical corticosteroids. Lichen sclerosus et atrophicus. Topical corticosteroids. Lichen nitidus Observation Topical corticosteroids, vitamin A analogues, cyclosporine (Sandimmune), itraconazole (Sporanox), phototherapy.



Figure 1: Erosive chronic lichen planus.



Figure 5: Lichen nitidus.

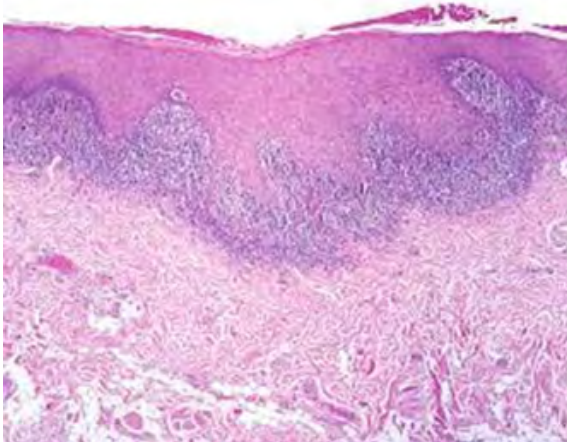


Figure 2: Histopathology of lichen planus

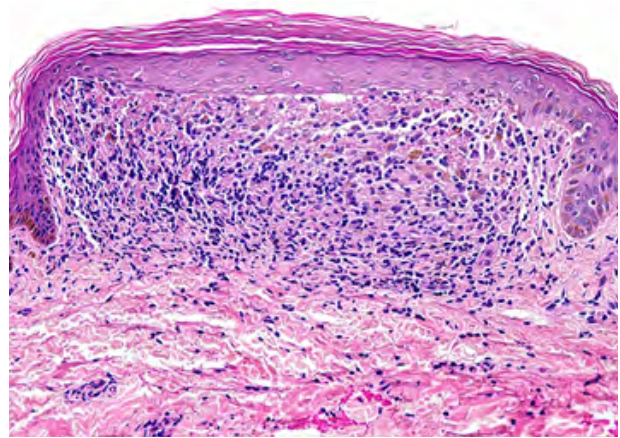


Figure 6: Histopathology of lichen nitidus



Figure 3: Erosive chronic psoriasis.



Figure 7: Lichen sclerosus et atrophicus

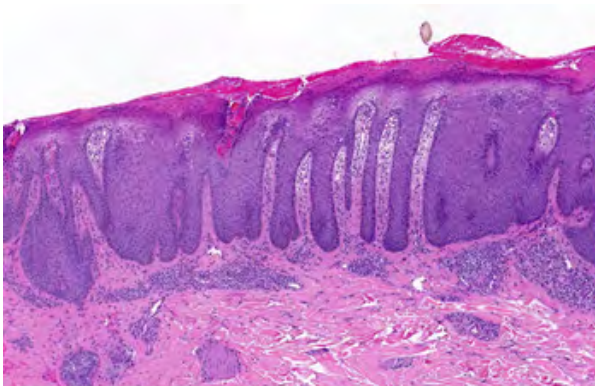


Figure 4: Histopathology of psoriasis

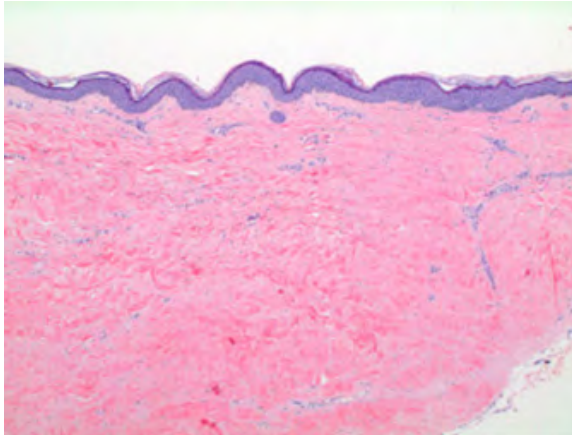


Figure 8: Histopathology of lichen sclerosus et atrophicus

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