Pruritic eruption on the chest

The fact that this patient’s rash was limited to his chest provided an important diagnostic clue.

A 61-year-old Caucasian man sought care for a rash that he’d had on and off for the past 5 years. He’d seen several physicians, but none had been able to make a diagnosis. Topical antifungal creams and steroids provided some improvement, but the rash would always come back.

Upon examination, the patient’s rash was limited to his trunk. Multiple scaly macules and papules (FIGURE 1) formed scabs and healed, leaving behind hyperpigmented skin. The patient noted that the rash was occasionally itchy. He also mentioned that he’d had a flare-up 4 to 5 months earlier, when he’d been visiting Beijing. That flare-up had lasted 2 to 3 months.

The patient was otherwise healthy and had no personal or family history of atopy or skin disease.

○ WHAT IS YOUR DIAGNOSIS?
○ HOW WOULD YOU TREAT THIS PATIENT?

FIGURE 1
Scaly macules and papules on the chest
The differential diagnosis includes truncal acne, folliculitis

Because the clinical features of Grover’s disease are often subtle (macules and papules are not florid) and variable (may be red or brown and usually papular but can be acneiform, vesicular, pustular, and even bullous), diagnosis requires a high degree of clinical suspicion. There are many potential differential diagnoses, including:

- **Truncal acne** may present as inflammatory papules. Patient may complain of itchiness. Comedones and pustules are telltale signs of truncal acne, and are not present in Grover’s disease.

- **Seborrheic dermatitis** often presents as greasy, scaly, eczematous patches, and papules. It can be found on the hair-bearing area on the scalp, forehead, eyebrows, nasolabial folds, postauricular skin, and anterior chest wall. Grover’s disease typically presents on the trunk.

- **Folliculitis** may look very similar to Grover’s disease, and its erythematous papules are often found on the trunk. Distinguishing the 2 can be done on biopsy.

- **Exanthematous drug eruptions**, also called maculopapular eruptions, are not limited to the trunk. They are often associated with the use of a new medication within the previous 4 to 21 days.

**Biopsy can confirm the diagnosis**

A diagnosis of Grover’s disease is usually made clinically based on the appearance of the rash and the patient’s age and sex (typically seen in middle-aged men). The diagnosis can be confirmed by biopsy. Under a microscope, Grover’s disease has a characteristic appearance of acantholytic dyskeratosis (FIGURE 2); it can be similar in appearance to Darier’s disease, Hailey-Hailey disease, or pemphigus.

**Steroids, other meds are used to reduce itching and inflammation**

There are no curative treatments for Grover’s disease. Treatment usually is symptomatic. Local application twice a day of topical steroids, such as triamcinolone acetonide or
fluticasone propionate, is often used to relieve the itching and reduce inflammation. Oral steroids, oral retinoids, calcipotriol, phototherapy with ultraviolet B or psoralen plus ultraviolet A light, Grenz radiation, and methotrexate may help clear the eruption in patients with severe itch or extensive or refractory disease.\textsuperscript{3,8} Antibiotics such as topical fucidin 2 to 3 times a day or oral cloxacillin 500 mg 4 times a day are indicated only if there is secondary impetiginization.

Advise patients to avoid excessive sweating, excessive sun exposure, occlusive clothing, and contact with topical irritants because all of these things are likely to make an outbreak worse.

Our patient was instructed to apply a topical clobetasone butyrate 0.05% cream twice a day. He was also told to take an oral antihistamine, fexofenadine, 180 mg bid for 2 months. The lesions healed, leaving hyperpigmentation. He was advised that the lesions might return in the future.

**References**