

E0281 Predictive risk factors of recurrent dermohypodermatitis

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Background: Several risk factors have been described for dermohypodermatitis. However, those predisposing for recurrence are not well defined. Our aim is to define the host factors associated with the increased risk of recurrent dermohypodermatitis.

Materials/methods: A retrospective study conducted in the Infectious Diseases Department between January 2000 and December 2015. Patients were divided into two groups: group A those who had one episode of dermohypodermatitis and group B those who had recurrence. Statistics were performed by spss. Univariate and multivariate analyses were done.

Results: A total of 1536 patients were included: 1050 (68.4%) in group A and 486 (31.6%) in group B. sex ratio was comparable between the two groups (1.52 vs 1.67, p=0.53). one hundred ninety six patients (40.3%) from group B had more than two recurrence. according to the univariate study ,risk factors for recurrence were: age \geq 60 years old (OR=1.58, IC [1.27-1.98]; p<0.001), diabetes (OR=1.46, IC [1.16-1.84], p=0.001), renal failure (OR=2.24, IC [1.24-4.03]; p=0.006), venous insufficiency (OR=1.57, IC [1.19-2.07]; p=0.001), lymphoedema (OR=4.65, IC [2.95-7.34]; p<0.001), toe web intertrigo (OR=1.36, IC [1.1-1.69]; p=0.005), onychomycosis (OR= 1.32, IC [1.04-1.69]; p=0.02), skin wound (OR=1.6, IC [1.2-2.01]; p<0.001) and heel cracks (OR=1.85, IC [1.46-2.34]; p<0.001). all this factors except skin wound were noted in the multivariate study (table). Patients with recurrence were put on antibioprohylaxis in 426 cases (87.6%).

Conclusions: Identification of predictive risk factors of recurrence of dermohypodermatitis is crucial in order to propose primary prophylactic therapy.

Risk factor	OR	CI	p
Age \geq 60 years old	1.5	1.2-1.9	0.001
Diabetes	1.3	1.07-1.7	0.01
Renal failure	2.4	1.3-4.4	0.005
Venous insufficiency	1.5	1.12-2	0.006
lymphoedema	5.1	3.1-8.2	<0.001
Toe web intertrigo	1.6	1.3-2.07	<0.001
Heel cracks	1.9	1.4-2.4	0.007

Onychomycosis	1.3	1.03-1.7	0.02
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