



INFECTIOUS DISEASES (BACTERIAL, FUNGAL, VIRAL, PARASITIC, INFESTATIONS)

## SEVERE BULLOUS REACTION TO BED BUGS BITES WITH A DERMOSCOPIC FOLLOW-UP - A CASE REPORT.

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**Background:** We present a case of a 30-year old male patient who was admitted to Department of Dermatology, Jagiellonian University Medical College due to the presence of disseminated bullae, erosions and hemorrhages on the trunk and limbs. The lesions appeared after a night spent in Paris as raised, erythematous lesions 1-2 cm in diameter. Few days later they enlarged to 3-7 cm wide, bullous and hemorrhagic lesions, forming the breakfast, lunch and dinner pattern. Patient found bed bugs under his bed, which he presented to the doctor during the dermatological consultation.

**Observation:** Dermatoscopically bullous lesions presented as central erosions surrounded by areas of pseudo-lacunae-like light red areas. Purpuric lesions manifested as central erosions with hemorrhagic and teleangiectatic surrounding areas. The patient had elevated transaminases (due to alcohol consumption) and C-reactive protein (CRP), the examination of the skin-biopsy specimen revealed a subepidermal vesicle.

The patient was treated with systemic glucocorticosteroids, antihistaminic drugs and topical glucocorticosteroids with improvement of the lesions and normalization of CRP. Resolving lesions appeared in dermoscopy as homogenous, light-red vascular areas without central crust.

**Key message:** Bullous reactions are the most severe, uncommon reactions to bed bug bites. To the best of our knowledge this is the first case presenting dermoscopic monitoring of bullous lesions to bed bugs bites.

