



SEXUALLY TRANSMITTED INFECTIONS, HIV/AIDS

## GENITAL ULCER CAUSED BY DONOVANOSIS IN PATIENTS WITH HUMAN IMMUNODEFICIENCY VIRUS (HIV)

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**Background:** Genital ulcers may facilitate Human Immunodeficiency Virus (HIV) transmission. It is a significant risk factor for HIV in developing countries. Donovanosis is one of the most severe chronic ulcerative diseases affecting most of genital organs. Donovanosis in conjunction with HIV infection can be due to interrelated relation, which increases the transmission of both diseases.

**Observation:** A 26 y.o bisexual male, came to dr. Moewardi General Hospital with multiple grievous wounds which was not sore. Physical examination revealed multiple superficial ulcers with various size, erythematous base, irregular edge and sharply demarcated with exudate and slough on the scrotum and anal region. Donovan bodies were positive. Histopathologic examination showed inflammation without any signs of malignancy. Serologic examination of HSV-2 was positive for IgG anti-HSV-2 and negative IgM anti-HSV-2, anti-HIV was positive, while the VDRL and TPHA were non-reactive. Based on history taking, physical examination and other investigations, we diagnosed this patient with genital ulcer due to donovanosis. Initially he was treated with oral azithromycin 1000 mg single dose, a physiologic NaCl moist gauze and mupirocin 2% cream for his ulcers. Subsequently, azithromycin was replaced with 2x100 mg of doxycycline for 21 days because the patient experienced a maculopapular eruption. Due to lack of adherence there was no improvement.

**Key Message:** Rapid and effective diagnosis and treatment are needed because these lesions are the main cofactors in HIV transmission. Establishing the diagnosis of donovanosis can be done based on clinical symptoms and the finding of Donovan's body. Donovanosis rarely even never heal itself if it is not treated.

**Keywords:** Genital ulcer, donovanosis, granuloma inguinale, HIV

