Case Report

Kala-azar in Maraveh Tapeh county, Golestan Province, Iran: Seven case reports

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Abstract

Visceral leishmaniasis, also known as Kala-azar, is one of the main parasitic vector borne diseases, which transmitted by sand fly. The current study reported the seven positive cases of Kala-azar in Maravetapeh county in Golestan province, Iran from 2007-15. Using geographic information system, villages which had confirmed cases of Kala-azar were identified and their geographical information was registered. Villages with confirmed cases of Kala-azar were introduced as at risk villages for visceral leishmaniasis. All of these cases were aged under 6 years and in all of them fever and splenomegaly was reported. All subjects had lower normal range of hemoglobin and plateles. These cases were reported from 6 villages in 3 districts of Maraveh Tapeh County. All of these villages are in hot and dry areas of county and they have mountainous and semi-mountainous geographical status with higher altitude compare to other villages. Fifty two villages of county were recognized as at-risk villages for Kala-azar. Kala-azar presented in sporadic condition in Maravetapeh County. Continuous case finding of Kala-azar for early diagnosis and treatment is necessary.

Keywords: Kala-azar, Visceral Leishmaniasis, Epidemiology, Iran

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