

## Case Report

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

Qorbani M (Ph.D)<sup>1,2</sup>, Cheraghali F (M.D)<sup>3</sup>, Sofizadeh A (Ph.D)<sup>\*4</sup>  
Yapang Gharavi AH (B.Sc)<sup>5</sup>, Cherabin M (B.Sc)<sup>6</sup>, Yapang Gharavi M (B.Sc)<sup>6</sup>

<sup>1</sup>Assistant Professor, Non-communicable Diseases Research Center, Alborz University of Medical Sciences, Karaj, Iran. <sup>2</sup>Chronic Diseases Research Center, Endocrinology and Metabolism Population Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran. <sup>3</sup>Assistant Professor, Department of Pediatrics, School of Medicine, Golestan University of Medical Sciences, Gorgan, Iran. <sup>4</sup>Medical Entomology and Vector Control, Infectious Diseases Research Center, Golestan University of Medical Sciences, Gorgan, Iran. <sup>5</sup>Public Health, Maraveh Tapeh Health Center, Golestan University of Medical Sciences, Gorgan, Iran. <sup>6</sup>Public Health Kalaleh Health Center, Golestan University of Medical Sciences, Gorgan, Iran.

---

## 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

---

**\* Corresponding Author: Sofizadeh A (Ph.D), E-mail: a\_sofizadeh@yahoo.com**

Received 4 Jan 2016

Revised 25 Jul 2016

Accepted 29 Aug 2016