

LEISHMANIA DONOVANI – Life cycle

(Part -4)



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Symptoms



Symptoms

Incubation period is long from 3 to 6 months, and symptoms may appear even after 2 years.

Early symptoms include—

- Swelling
- High fever

Symptoms



- Enlargement of spleen and liver
- Loss of appetite ,pallor, weight loss with progressive emaciation.
- Weakness
- Anemia due to reduction in number of blood cells.
- Peculiar darkening of skin.

Symptoms



Symptoms in advanced stage

1. The skin becomes dry, rough , and dark or pigmented.
2. Hair becomes brittle and falls out.
3. Multiple nodular infiltration of skin without ulceration.
4. Lymphadenopathy
5. Anemia with emaciation and gross splenomegaly produces a typical appearance of the patient.

Symptoms



Leishmaniasis

Symptoms

- history of exposure to the bite of sandflies
- history in being in an area known for leishmaniasis
- Systemic illness (visceral leishmaniasis)
- fever, persistent, long duration (weeks), may cycle irregularly
- night sweats
- fatigue
- weakness
- appetite loss (anorexia)
- weight loss
- abdominal discomfort, vague
- vomiting (children)
- diarrhea (children)
- cough (children)
- skin, scaly
- skin, gray, dark, ashen
- hair, thinning



Symptoms



Symptoms of Visceral Leishmaniasis (kala azar)



- Enlargement of the spleen
- Enlargement of the liver
- Night sweats
- Severe temperature or irregular bouts of fever that can last for weeks
- Bleeding
- Blackening of the skin
- Scaly skin
- Dark and ashen skin
- Cough
- Weakness
- Substantial weight loss

Prevention



- Prevention
- Preventive measure include-
- Eradication of the vector , i.e. Sandfly
- Attack on the parasite
- Personal defence

Prevention



- Eradication of the insect vector—
- In endemic areas low trees and bushes should be cleared out.
- Periodic fumigation and spray of insecticide
- Attack on parasite—
- In areas where dogs acts as reservoir hosts, all street dogs should be killed.
- Personal defence---
- For avoiding bite of sandflies, use mosquito – nets or screens and avoid sleeping on ground floors.

Control measures



- Control the reservoir
- Sandfly control
- Treatment of the cases

Active and passive detection of the cases and treatment of those who found to be infected.

House to house visit

Mass survey in areas for early detection of the cases

Thank You

