

Leishmaniasis Disease

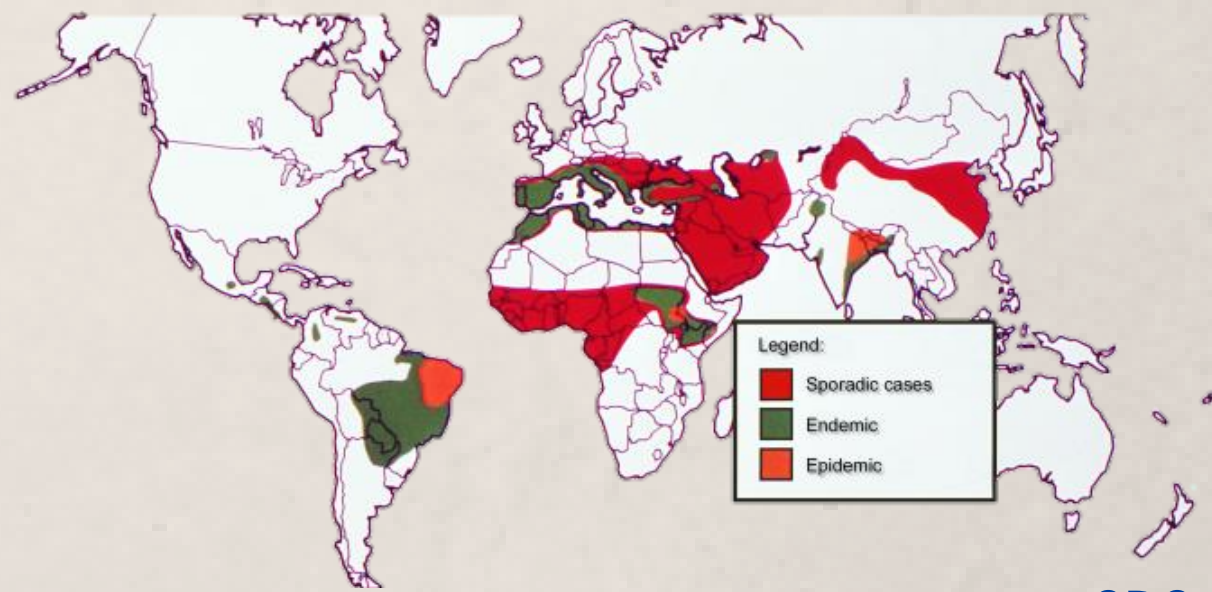


IDENTIFICATION:

IT'S A PROTOZOAL DISEASE AFFECTING
PRIMARY DIFFERENT SPECIES OF ANIMALS
& SECONDARY OF MAN.

THE DISEASE CHARACTERIZED BY AFFECTION OF
THE SKIN AND INTERNAL ORGANS.

• [Zoonoses diseases book](#)



• [CDC](#)

700,000 to 1.2 million

New cases estimated each year, worldwide

ETIOLOGIC AGENT:

1- CUTANEOUS LEISHMANIASIS:

- *Leishmania tropica*.
- *Leishmania major*.
- *Leishmania braziliensis*.

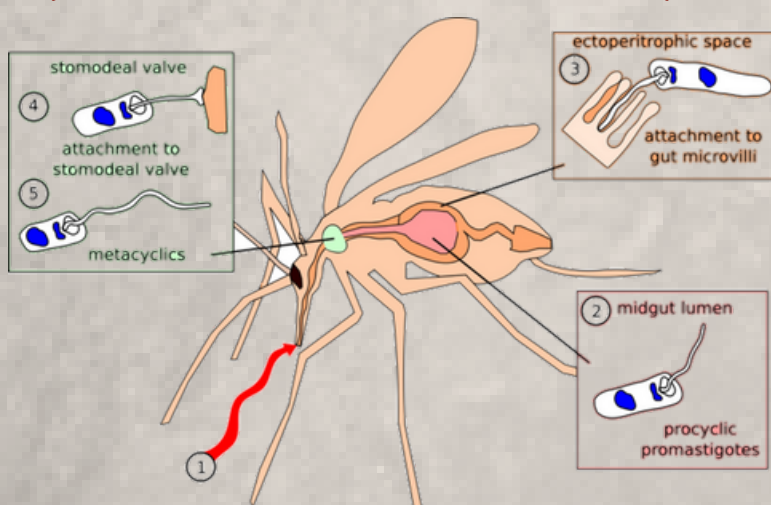
2- VISCERAL LEISHMANIASIS:

- *Leishmania donovani*.

• [Zoonoses diseases book](#)

SOURCE & RESERVOIR OF THE INFECTION:

I). SOURCE OF THE INFECTION:
INFECTED SAND FLY
(PHLEBOTOMUS PAPTASII).



• [BMC & BioMed Central](#)

II). RESERVOIR OF THE INFECTION:
DIFFERENT SPECIES OF VERTEBRATES ESPECIALLY DOGS AND RODENTS.

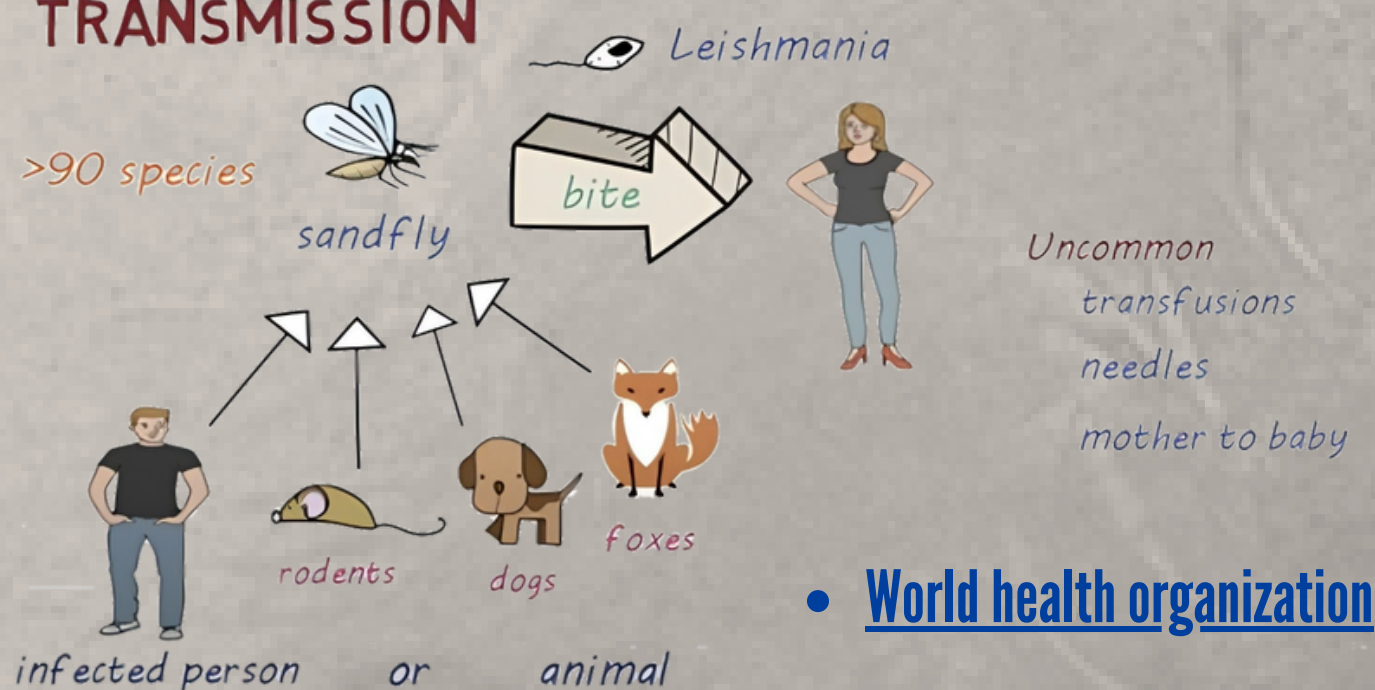


MODE OF TRANSMISSION:

BY BITING OF THE INFECTED SAND FLY.



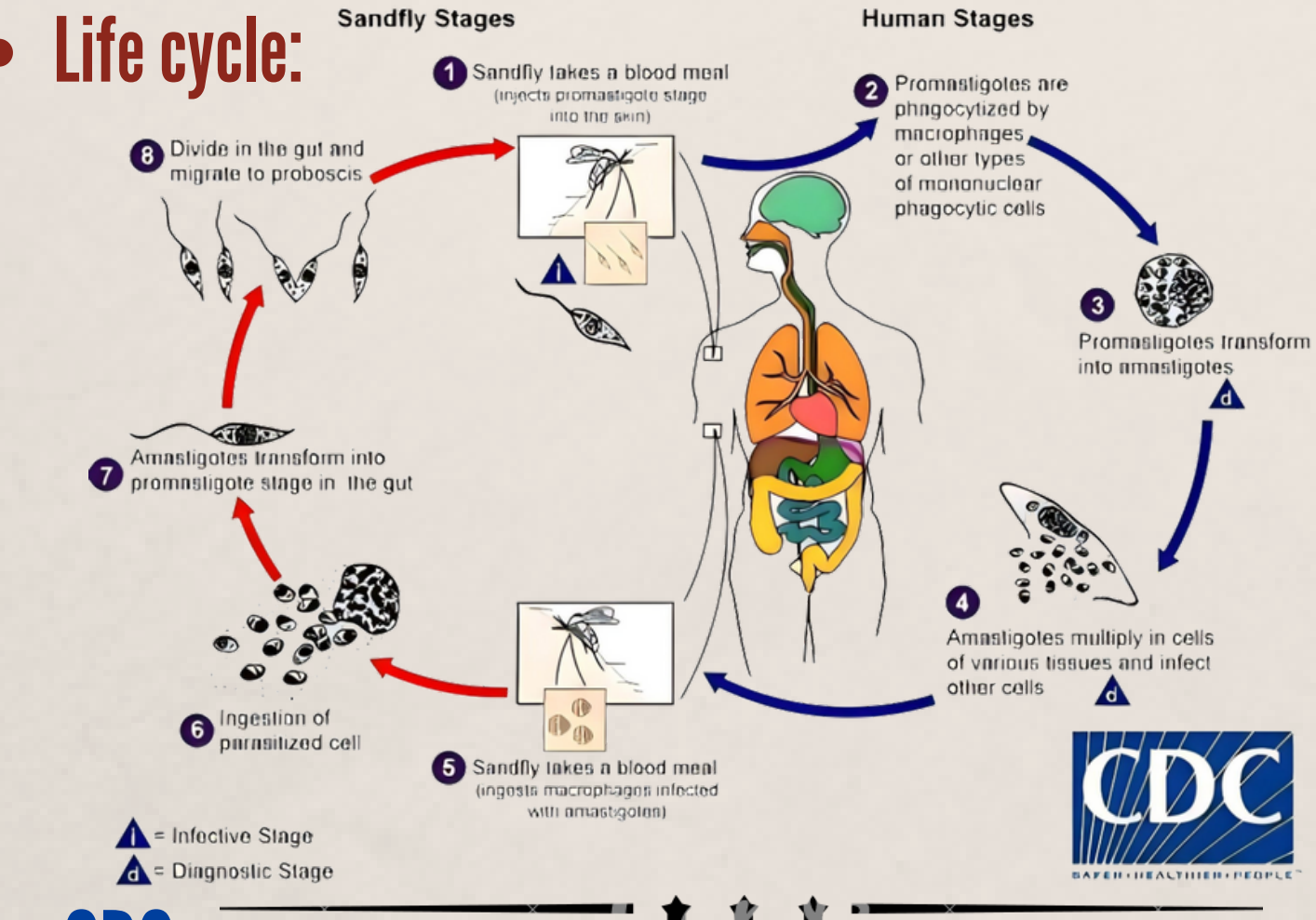
TRANSMISSION



• [World health organization](#)

EPIDEMIOLOGY OF THE DISEASE:

Life cycle:



CDC

DISEASE IN MAN:

1. INCUBATION PERIOD:

- 10 days to several years (1-9 months).

2. CLINICAL SYMPTOMS:

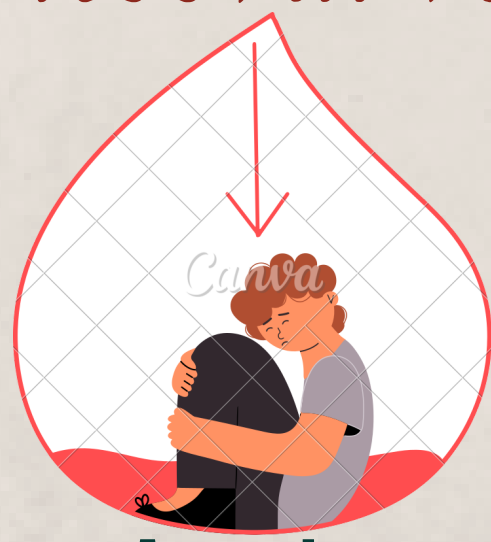
- Leishmaniasis has two forms:
 1. Cutaneous (Baghdad sore or oriental sore, most common form)
 2. Visceral (Kala-Azar, most serious form)

World health organization

Visceral form



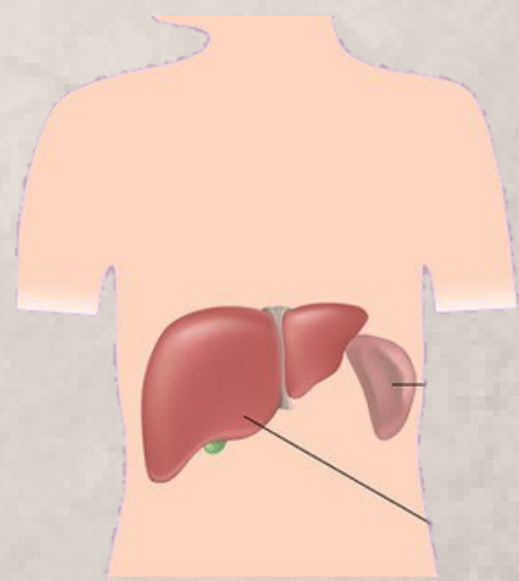
Irregular fever



Anemia



Weight loss

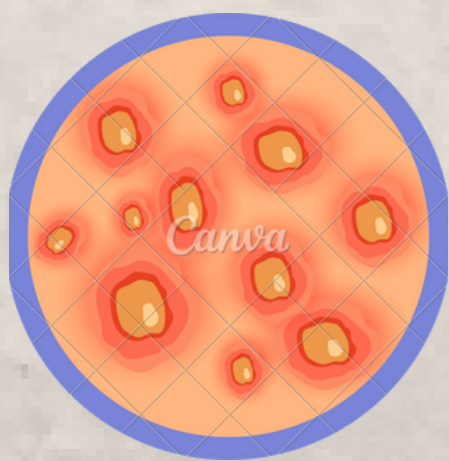


Spleen and liver enlargement

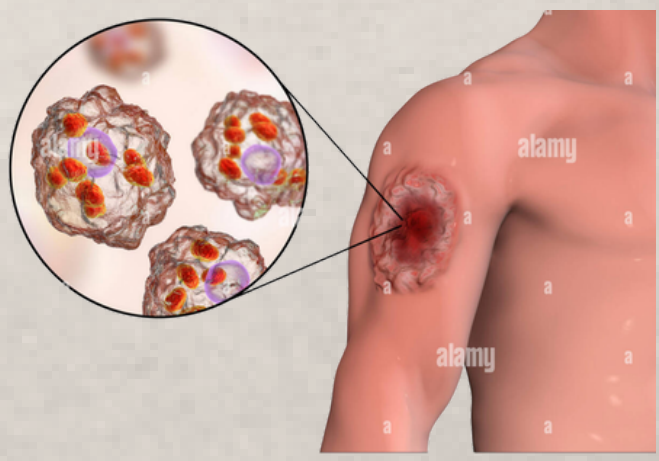
Cutaneous form



Rash usually on face, upper arms, trunk and other parts of the body



Disfigured skin lesions after recovery



Ulcers on exposed parts of the body (face, arms and legs)

Mucocutaneous



Lesions in the mucous membranes (nose, throat or mouth)

PREVENTION AND CONTROL:



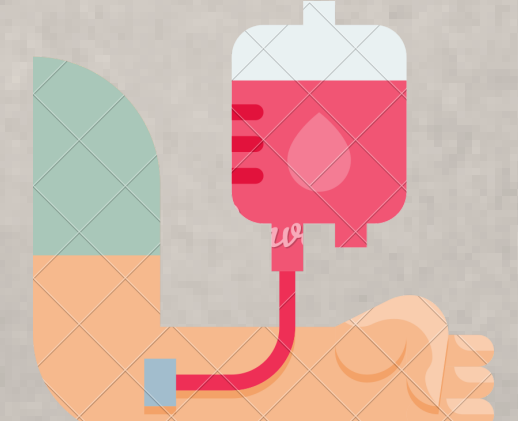
Destruction of the sand fly



Destruction of stray animals

CONTROL OF THE INFECTED INDIVIDUALS:

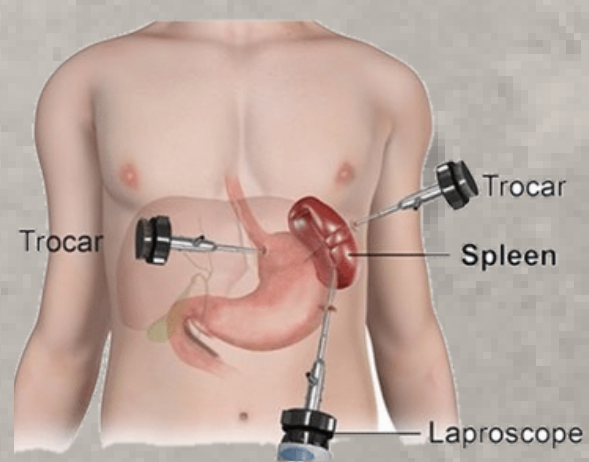
Visceral form



Blood transfusion



Urea stibamine drug



Splenectomy

Cutaneous form



Mepacrine drug

Zoonoses diseases book

REFERENCE

- World health organization
- CDC
- BMC & BioMed Central
- Zoonoses diseases book

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