

Trypanosomiases:

1-African sleeping sickness:	2-Chaga's disease in central and south America: ♥
Caused by: Trypanosoma brucei	Caused by: Trypanosoma cruzi
Transmitted by: Tsetse Fly. Both infective and diagnostic: Trypomastigotes.	Transmitted by: Rebuviid Triatomine Bug.
The trypomastigotes are able to penetrate the blood vessel endothelium and invade extravascular tissues, including the central nervous system (CNS) causing encephalitis.	In the blood stream: TRYPTOMASTIGOT In the tissues (Cardiac muscle, eyes): AMASTIGOTE
1- Skin stage: chancre which resolve in 2-3 weeks. 2- Systemic Haemato-lymphatic stage: intermittent fever, Winter bottom sign -> enlarged lymph nodes in the occipital region. 3- Central nervous system stage (CNS): Meningoencephalitis. daytime sleeping, psychological changes, tremors, convulsions and finally coma Trypanosoma brucei affects mainly CSF.	Chagoma: parasites produce focal lymphangitis and oedema at the site of parasites entry. ROMANA'S sign: (trypomastigote) enter the blood stream and find there way ,mainly on the face near the eyelids ,it produces a swelling of the eye and temporal region with conjunctivitis The most constant feature of the cardiac disease is cardiomyopathy.
Diagnosis: CSF lumbar puncture.	Diagnosis: 1- Blood film 2- Serology: IFAT 3- Xenodiagnosis: feeding bugs on a suspected cases.