

حكمة أعجبتني :

((شجرة واحدة تصنع مليون عود
كبريتة.. ويحترق مليون شجرة))
لذلك لا
تدع أمر سلبي واحد يؤثر على
ملايين الإيجابيات في حياتك !!



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

السلام عليكم ورحمة الله وبركاته

Phylum : Nematelminthes

Class : Nematode

Order : Spirurida

Family : Onchocercidae

Ex. : Onchocerca volvulus

Onchocerca volvulus

العائل النهائي:

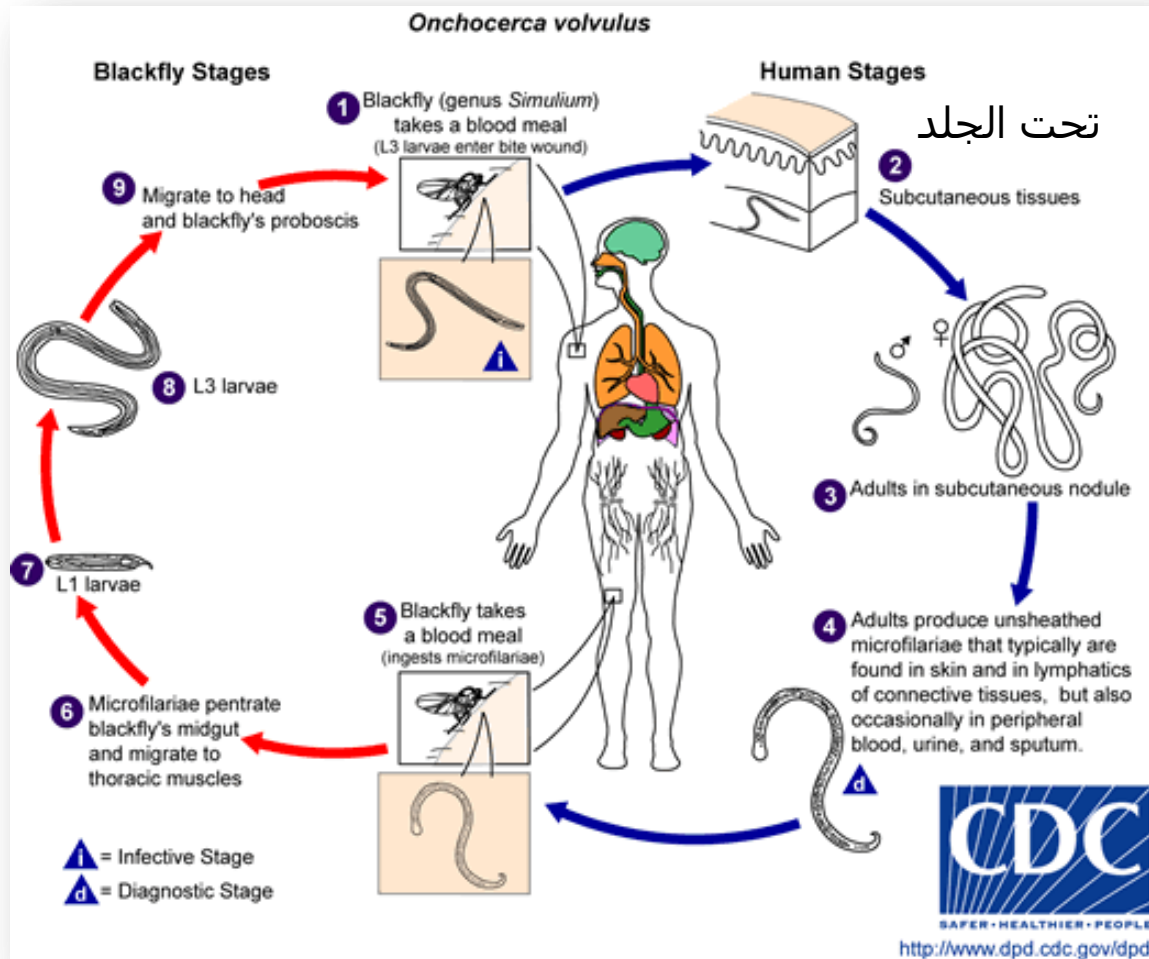


Onchocerca volvulus

العائل الوسيط



(*simulium*) Black fly

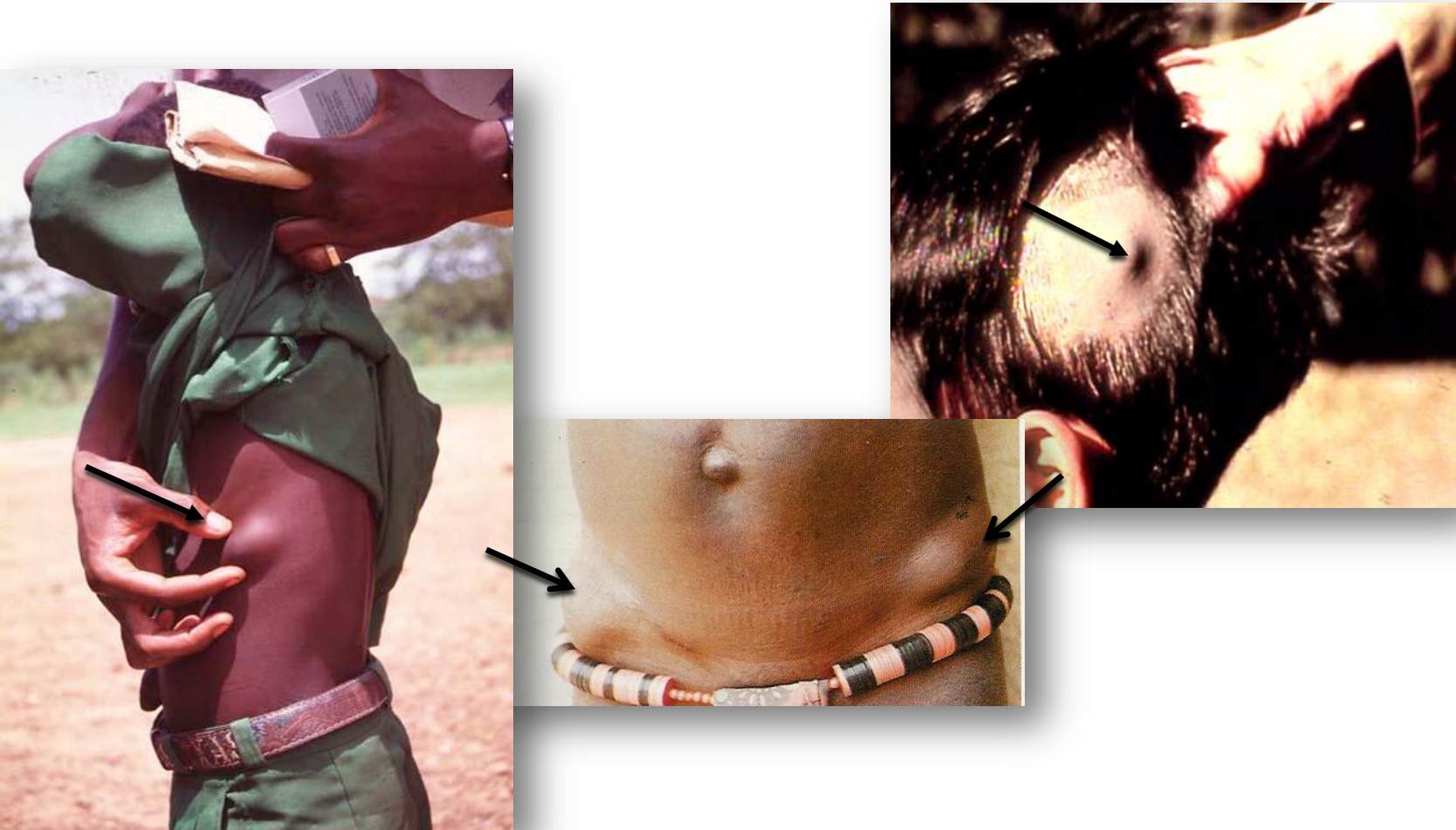


Onchocerca volvulus

الإمراضية

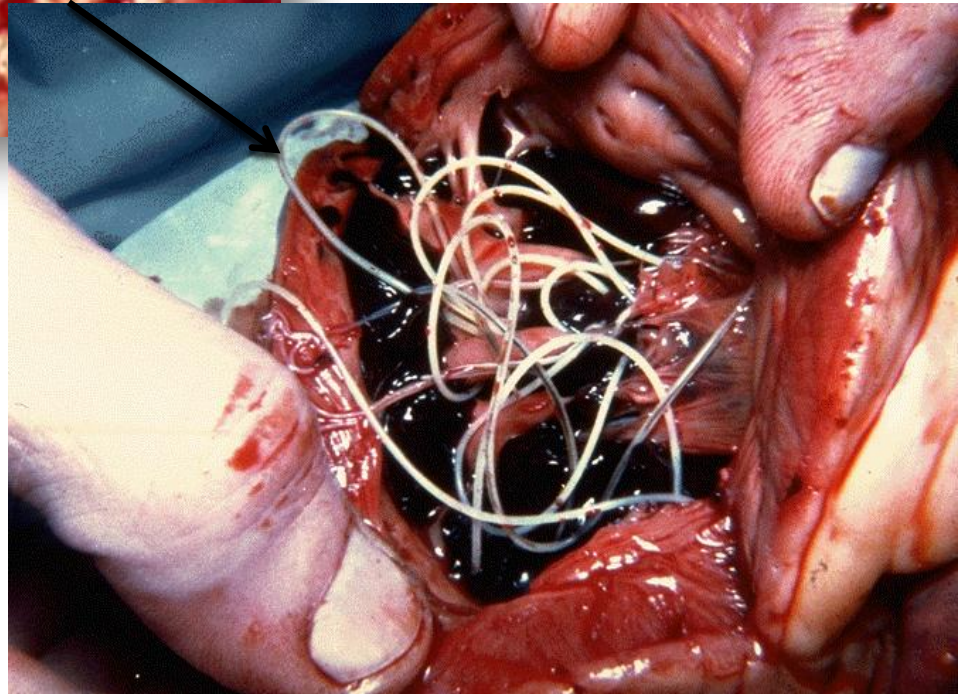
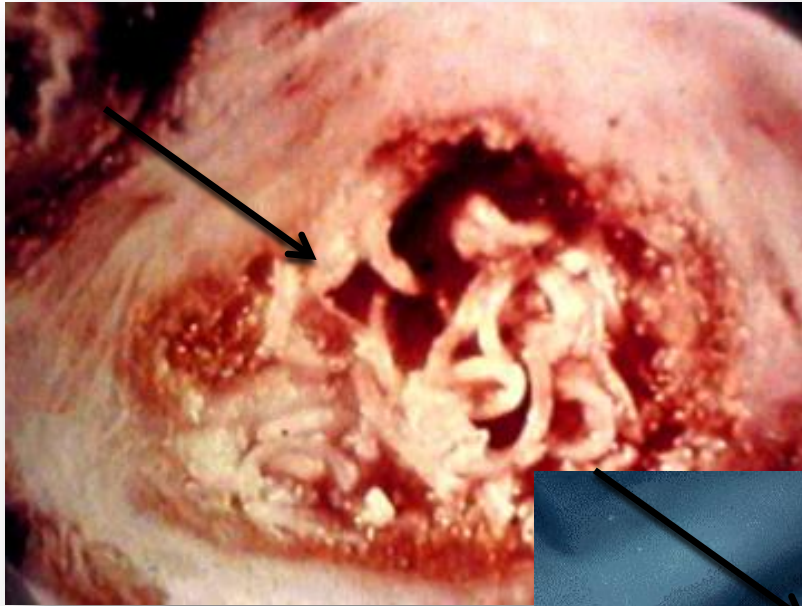


Onchocerca volvulus



Nodules in many part of the body

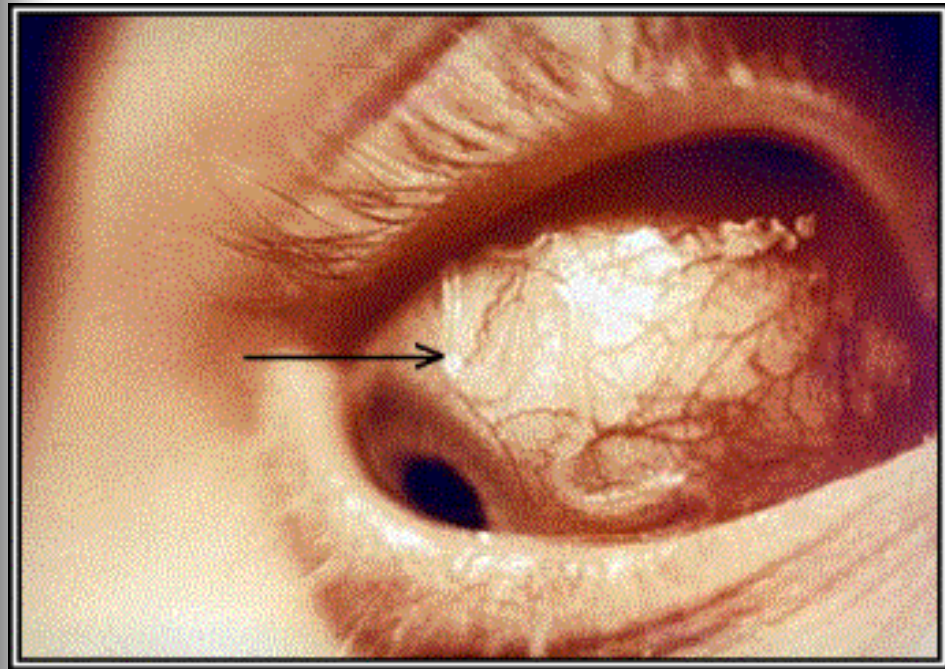
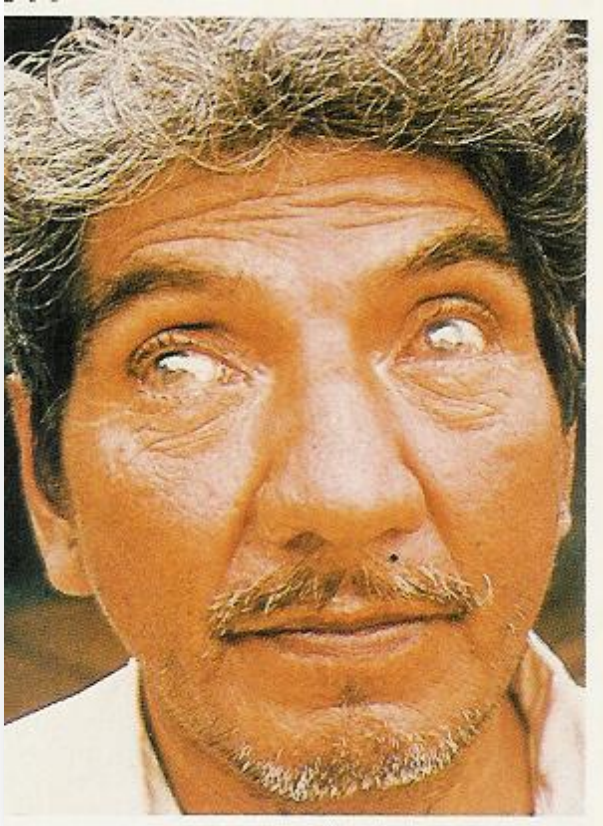
Onchocerca volvulus



Onchocerca volvulus



**Blindness cused
by
Onchocerca**



Onchocerca volvulus



Lizard or elephant skin

Onchocerca volvulus

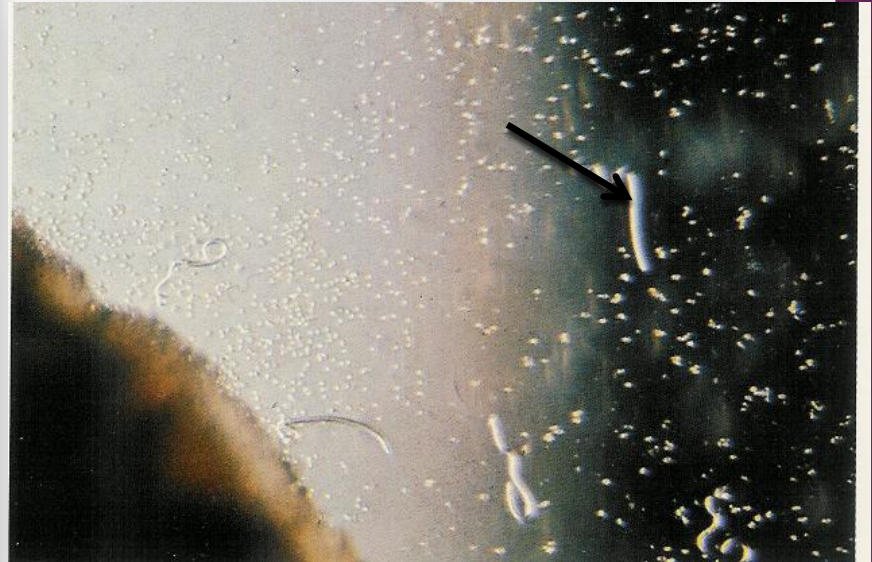
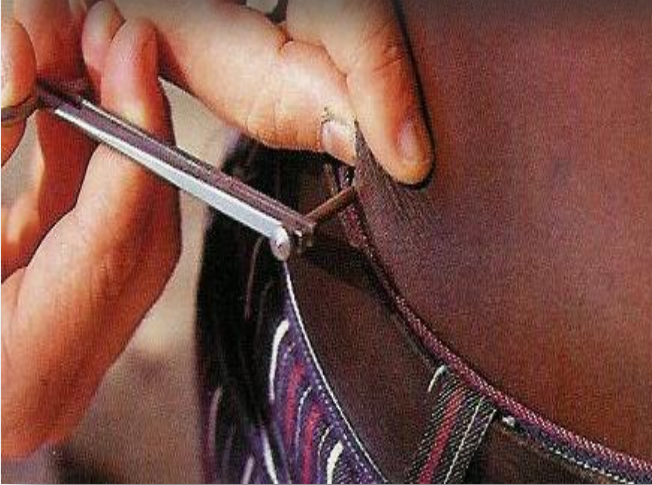
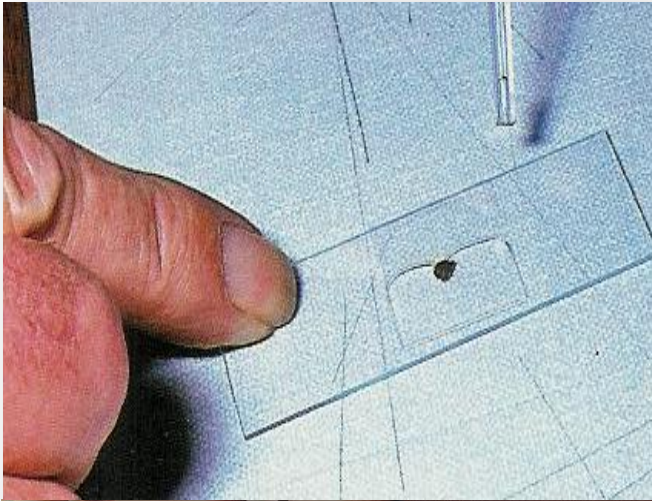


Onchocerca volvulus



Onchocerca volvulus

تشخيص الإصابة



Phylum : Nematelminthes

Class : Nematode

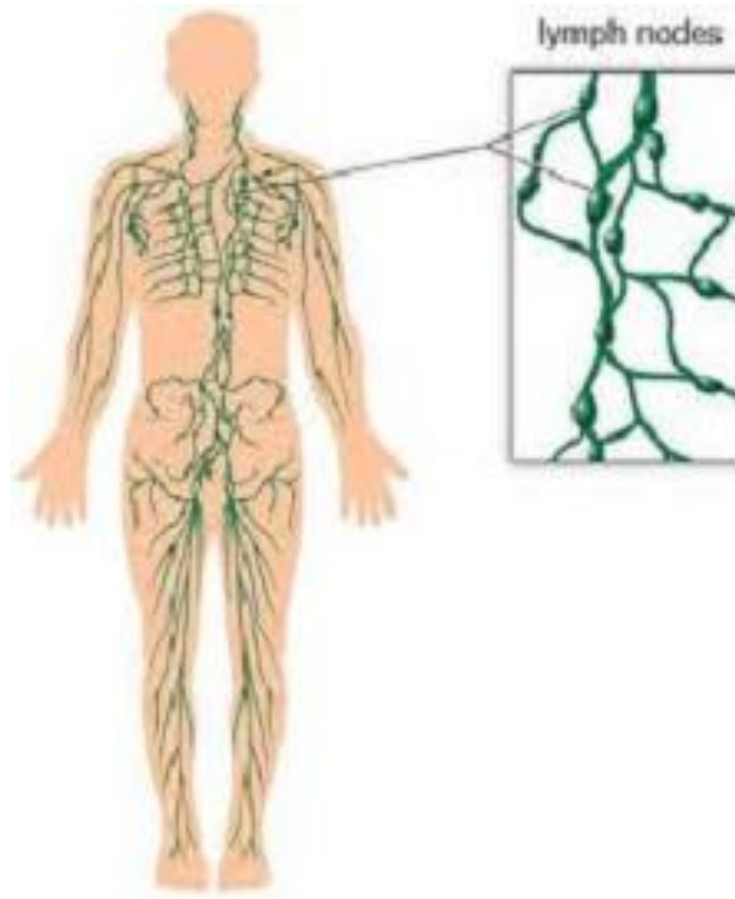
Order : Spirurida

Family : Filariidae

Ex. : Wuchereria bancrofti

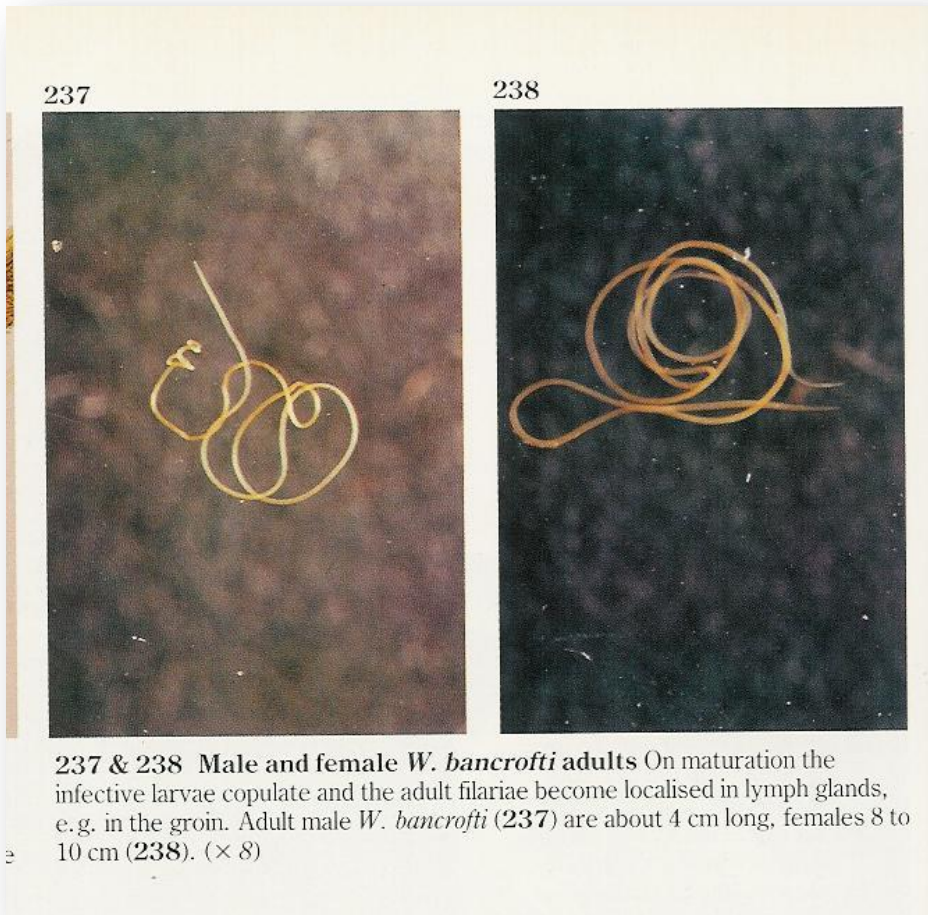
Wuchereria bancrofti

العائل النهائي:



Wuchereria bancrofti

شكل الطفيل



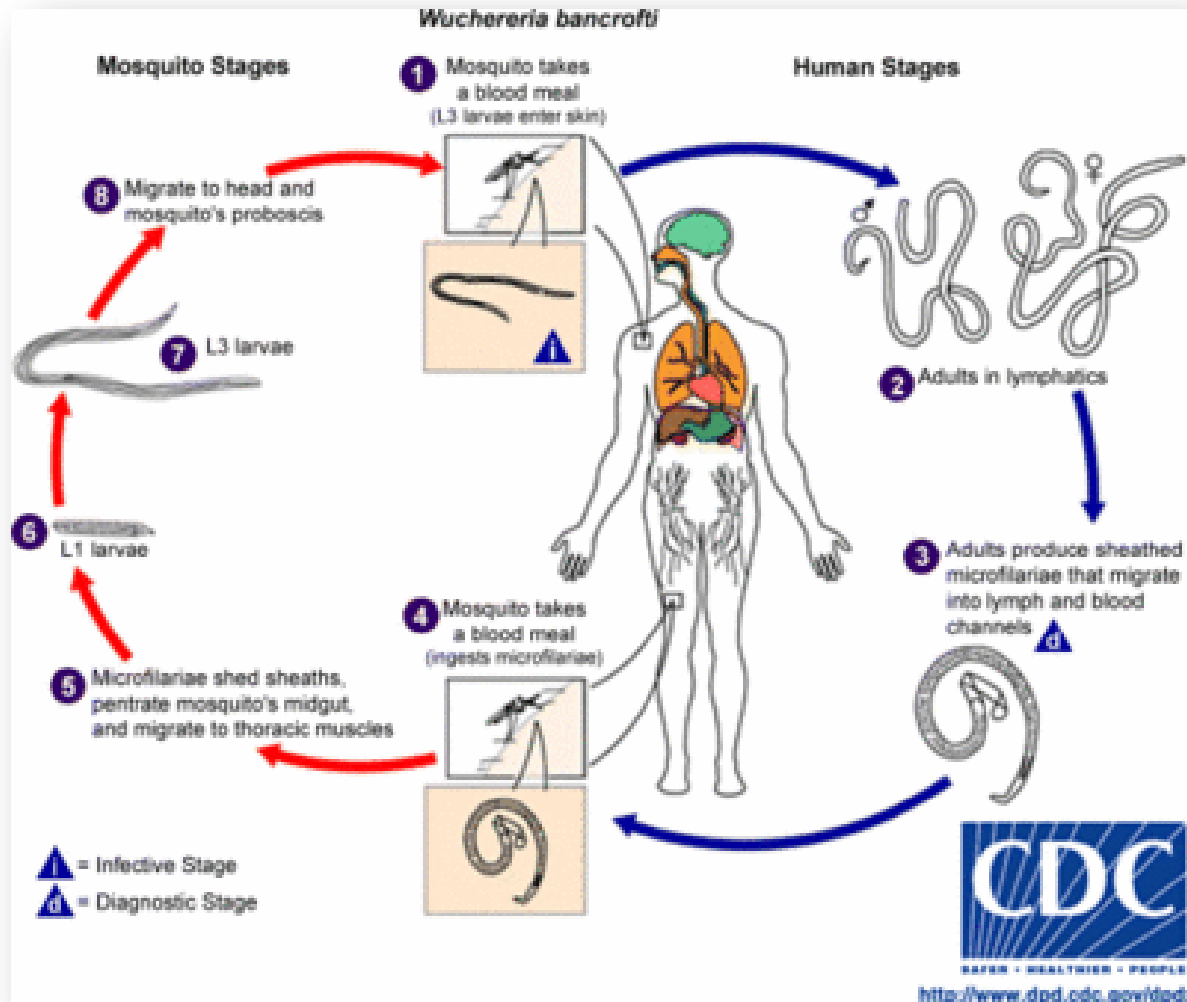
Wuchereria bancrofti

العائل الوسيط

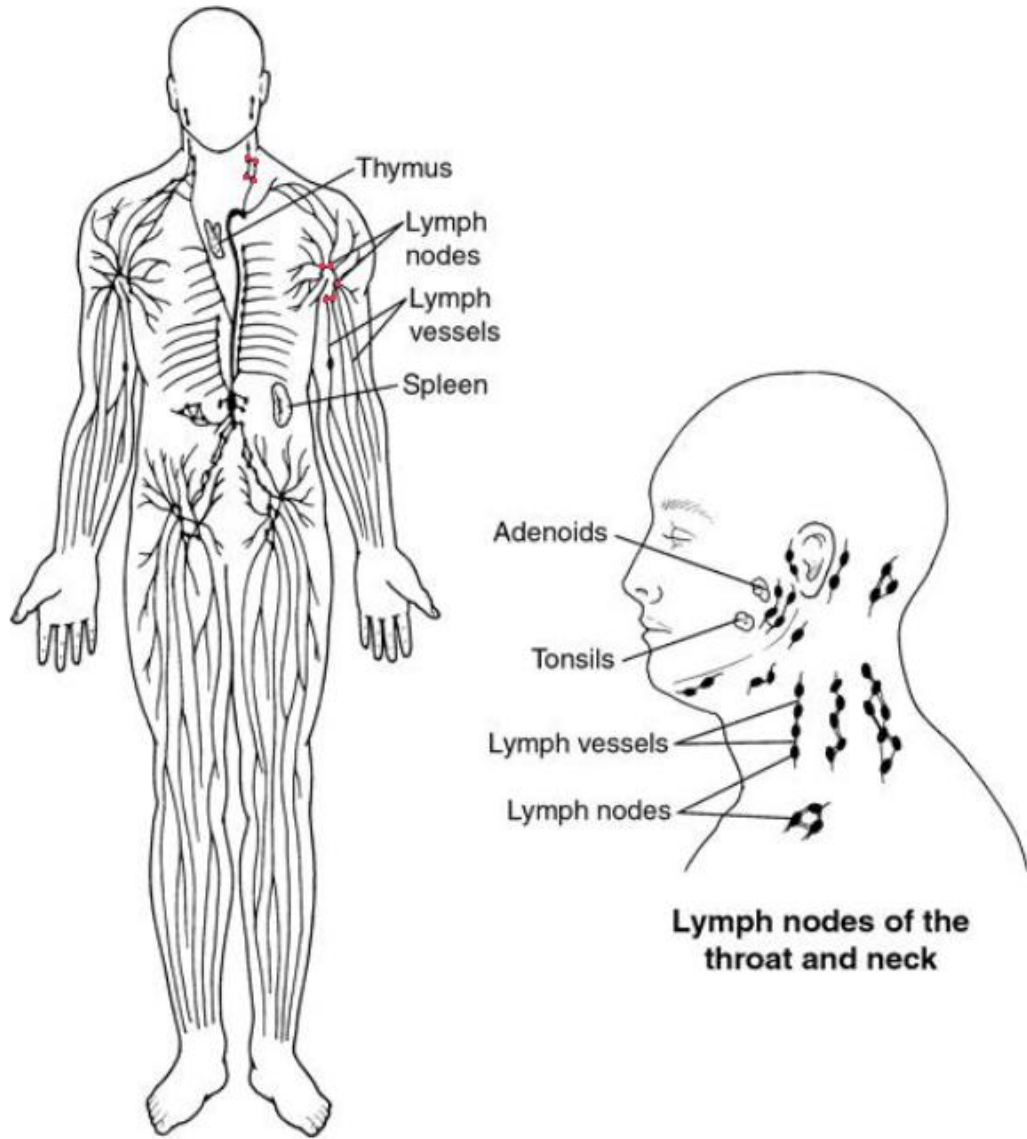


Anophles , Aedes , Culex





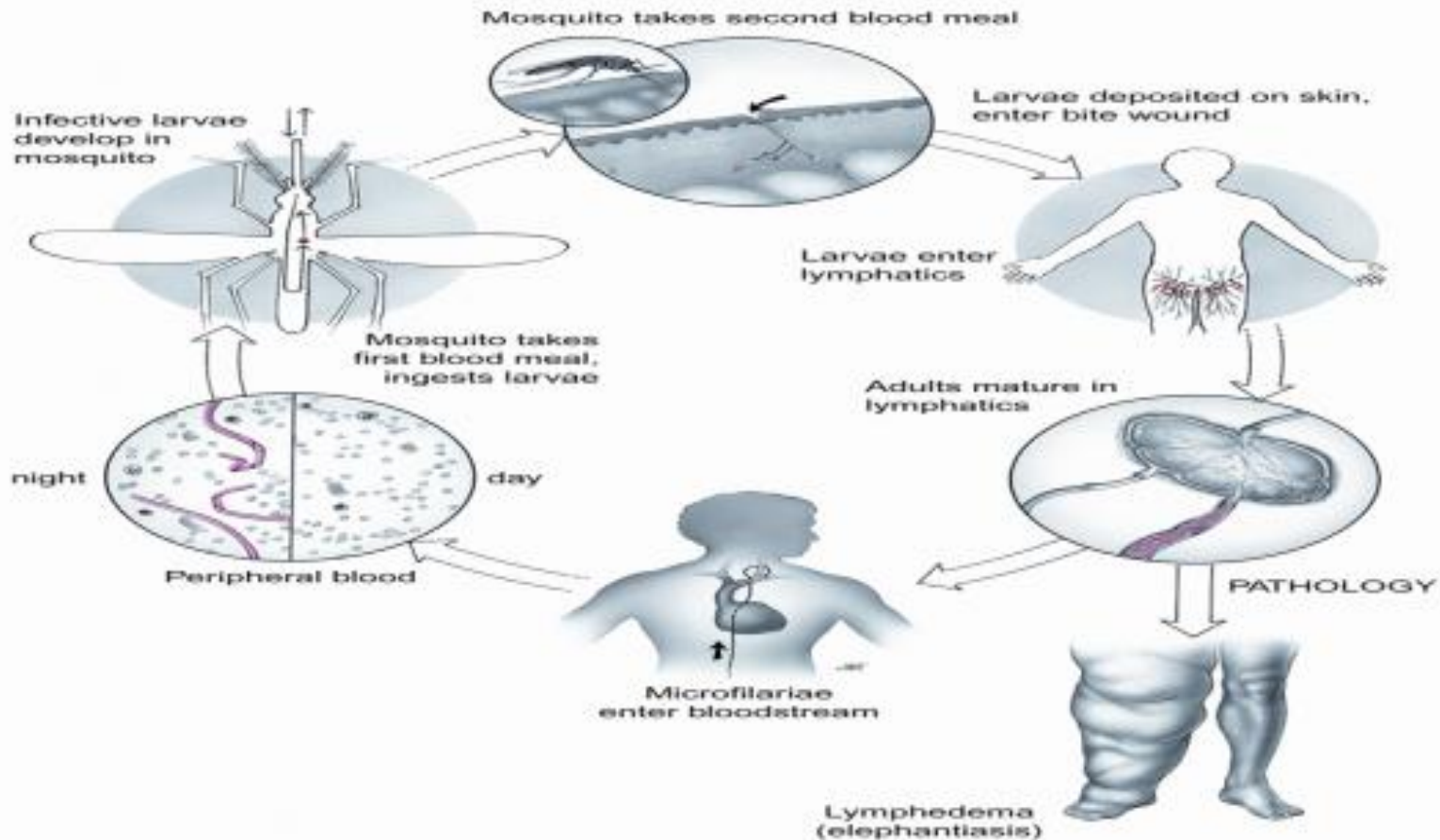
Lymph Nodes and Vessels

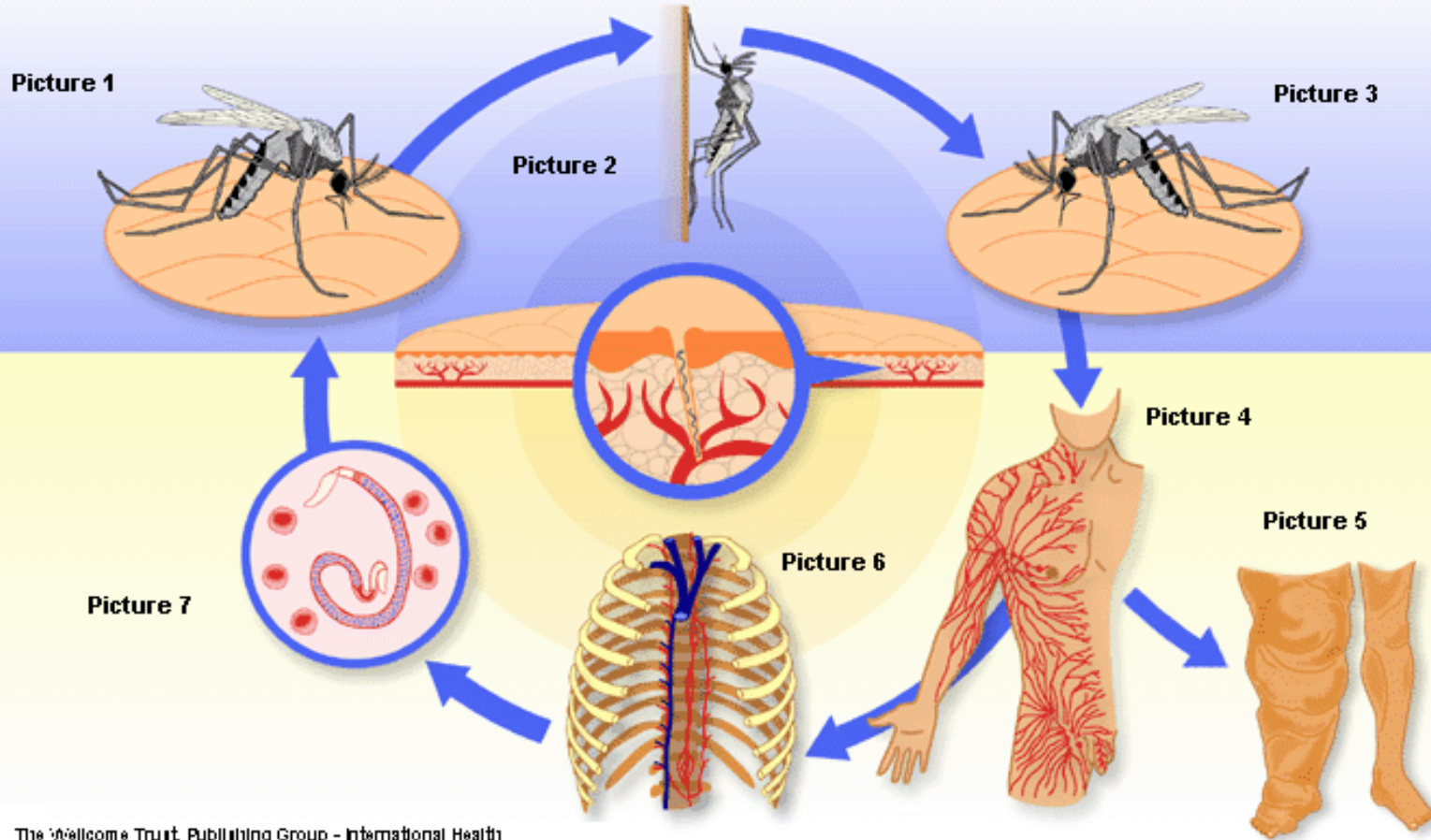


Lymph nodes of the throat and neck

دورة حياة الطفيل

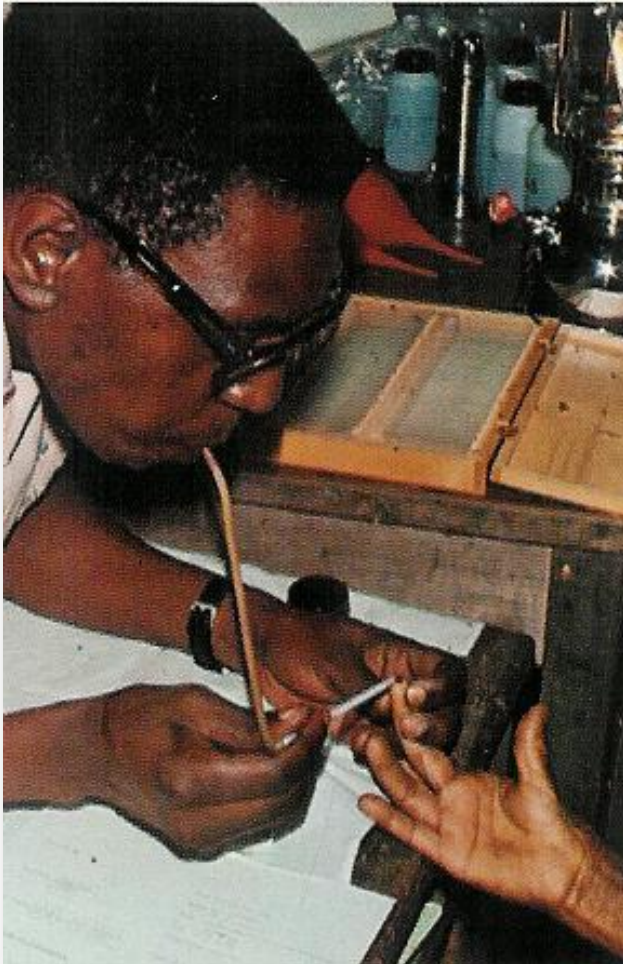
Wuchereria bancrofti



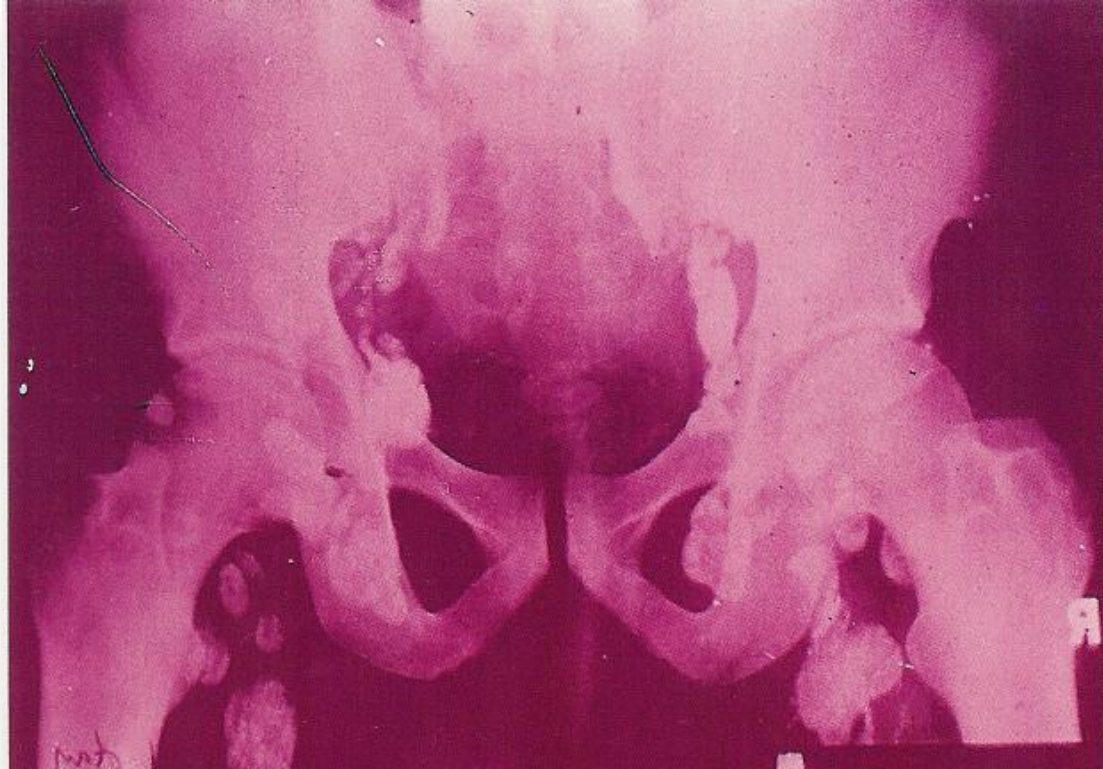


Wuchereria bancrofti

التشخيص

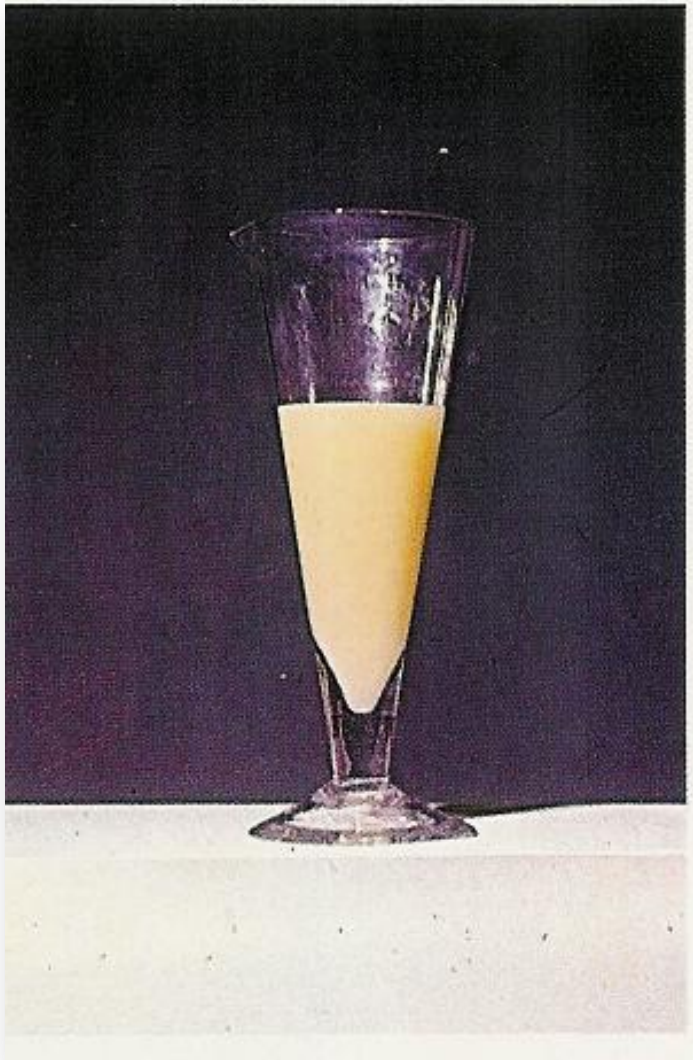


Microfilaria in blood



Calcified lymph nodes

Wuchereria bancrofti



**Urine Containing
lymph**

Wuchereria bancrofti

Elephantiasis



Wuchereria bancrofti





Lymphatic Filariasis / Elephantiasis

Wuchereria bancrofti
& *Brugia malayi*

Wuchereria bancrofti



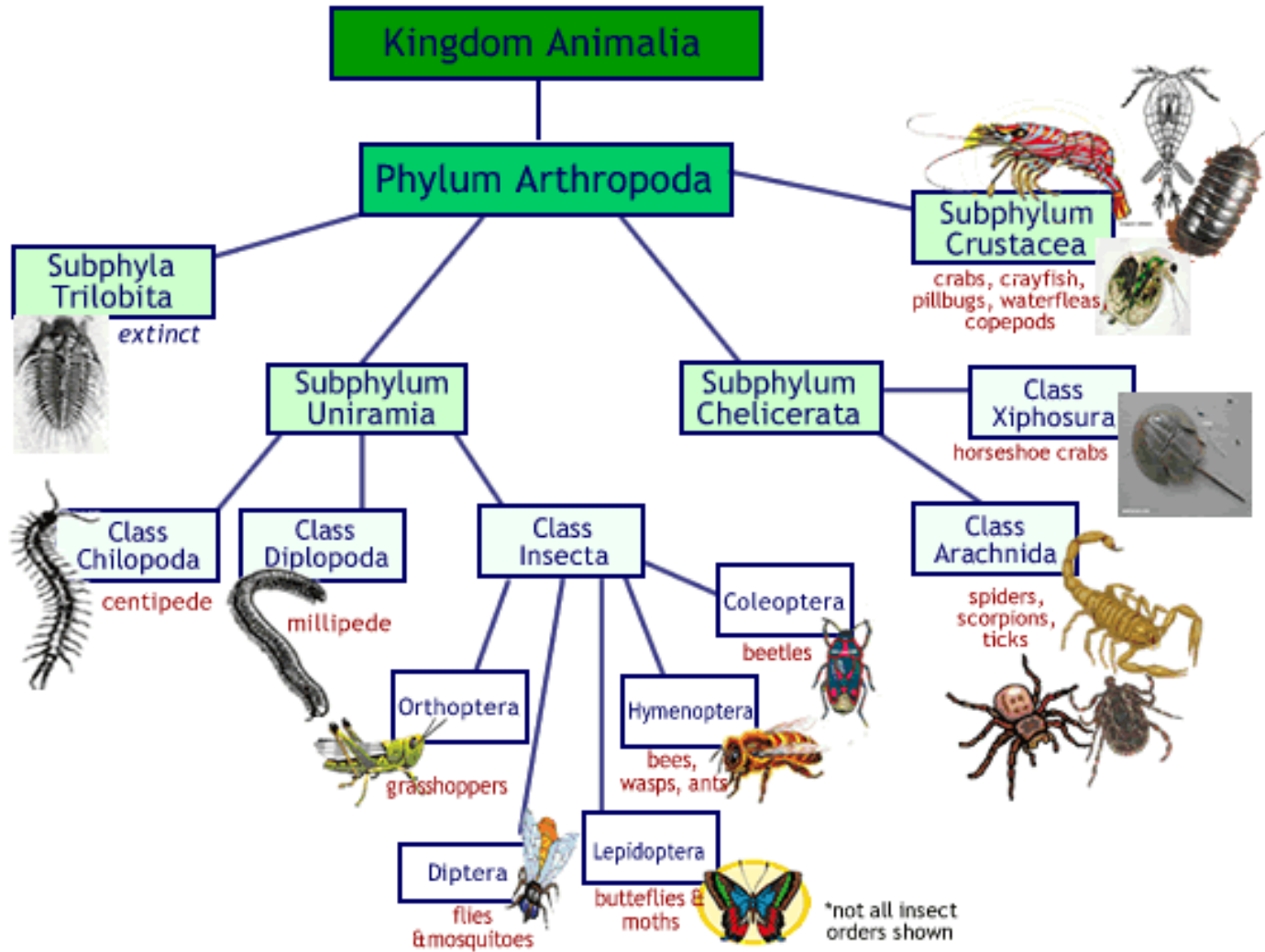
الساق اليمنى
مصابة بداء الفيل
' والساق اليسرى
طبيعية

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يلاحظ التنايا
بالجلد ، والتورم
بالساق والكاحل
والقدم



Phylum : Arthropoda



Phylum : Arthropoda

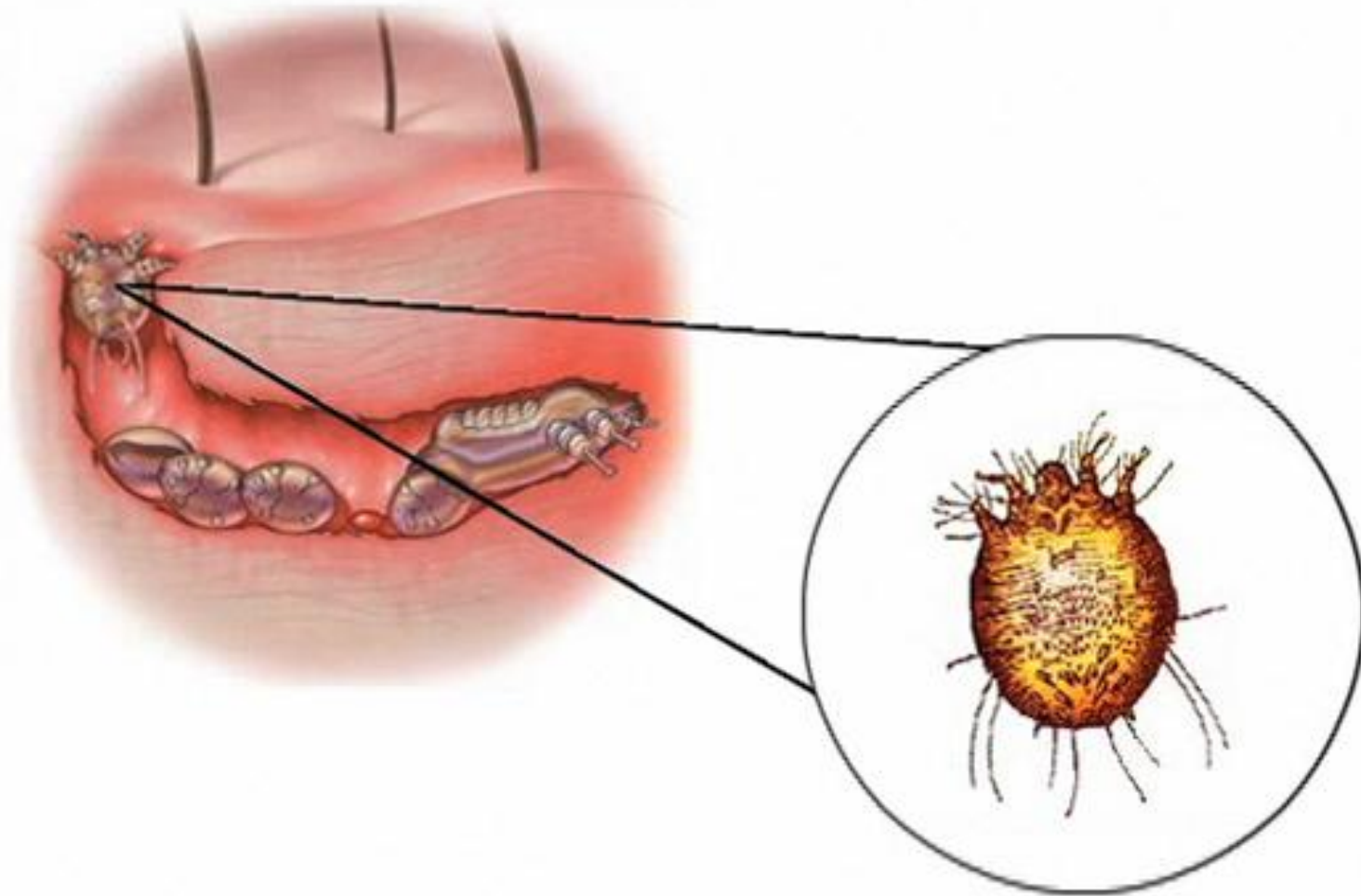
Class :Arachnida

Order:Acarina

Family:Sarcoptidae

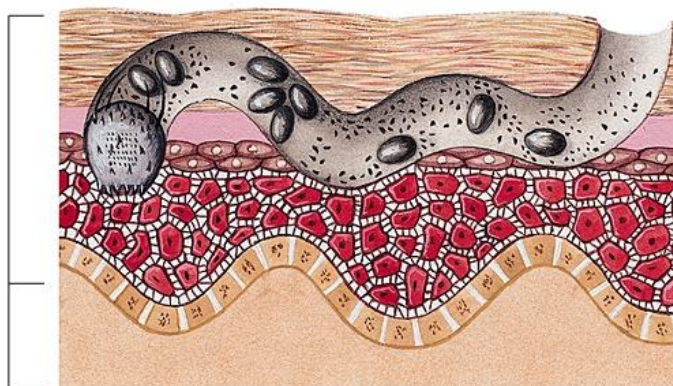
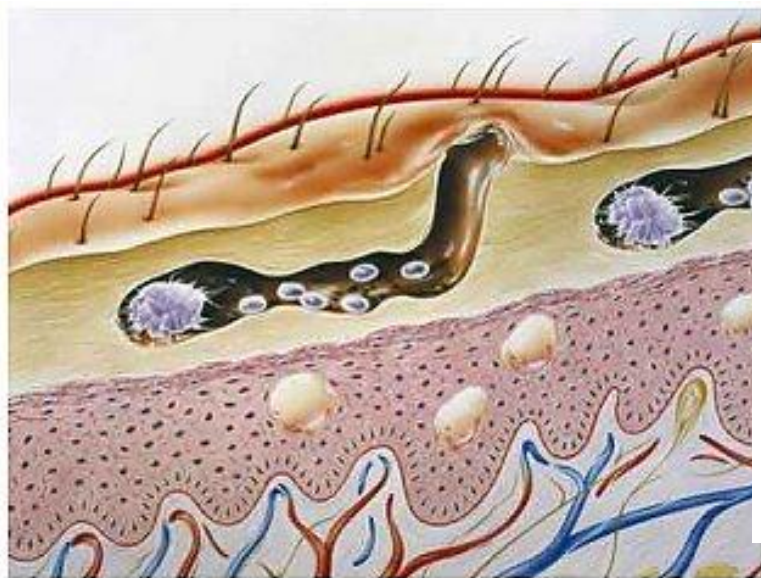
Ex :Sarcoptes scabiei humani

Sarcoptes scabiei



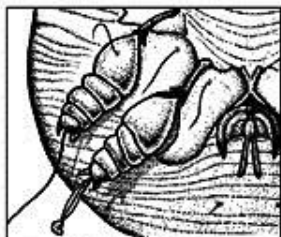
Sarcoptes scabiei

مكان التطفل



Sarcoptes scabiei

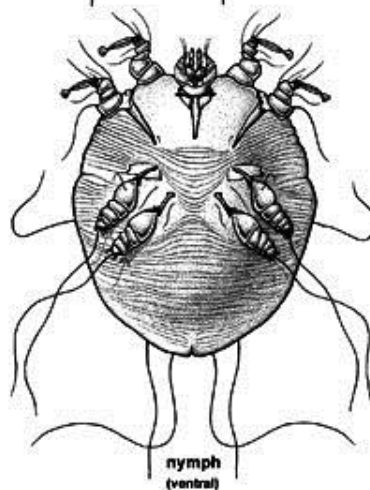
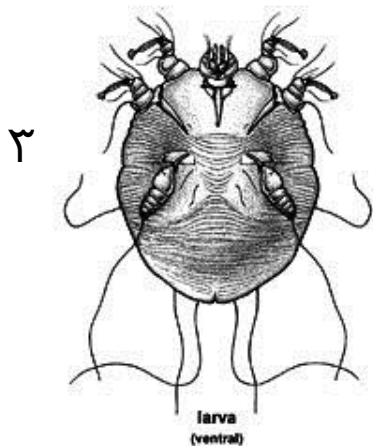
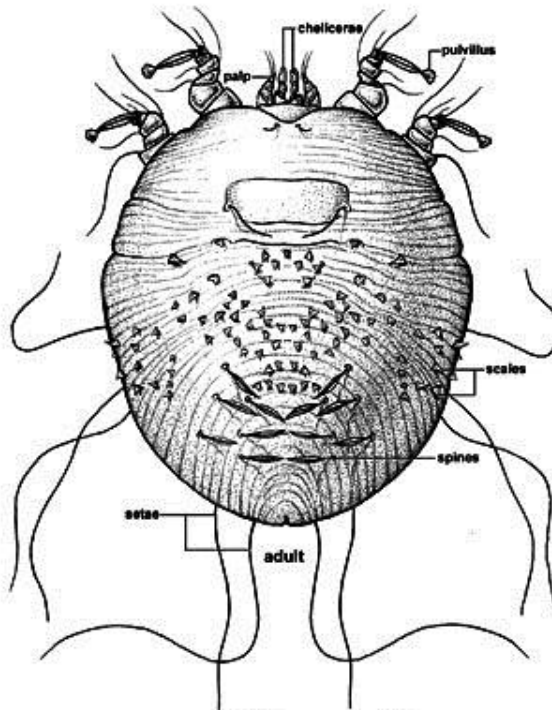
Scabies Mite
Sarcoptes scabiei



male legs and genitalia
(as seen from ventral aspect of mite)

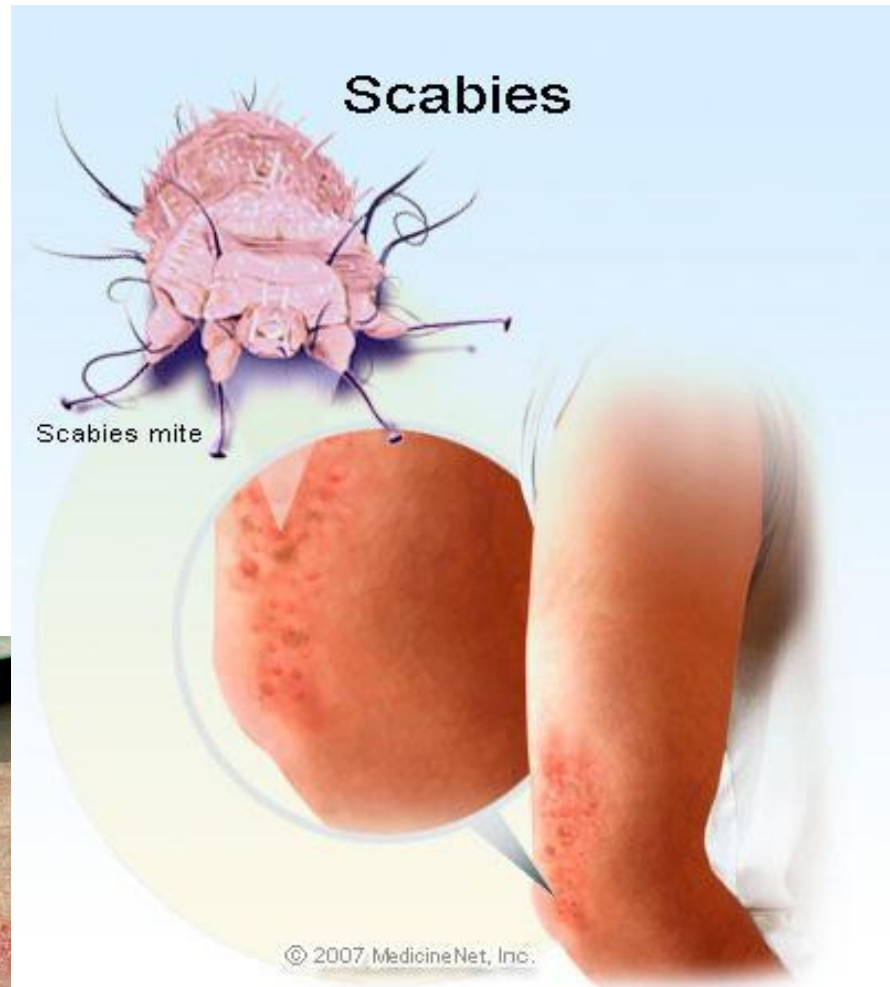


female legs
(as seen from ventral aspect of mite)



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Sarcoptes scabiei



Sarcoptes scabiei

Scabies Mite (Sarcoptes Scabiei)

Scabies is caused by an infestation of the skin by the human itch mite (*Sarcoptes scabiei*). The microscopic scabies mite burrows into the upper layer of the skin where it lives and lays its eggs. The most common symptoms of scabies are intense itching and a pimple-like skin rash. The scabies mite usually is spread by direct, prolonged, skin-to-skin contact with a person who has scabies.

Scabies occurs worldwide and affects people of all races and social classes. Scabies can spread rapidly under crowded conditions where close body contact is frequent. Institutions such as nursing homes, extended-care facilities, and day-care facilities are often sites of scabies outbreaks.



Source: Centers for Disease Control and Prevention

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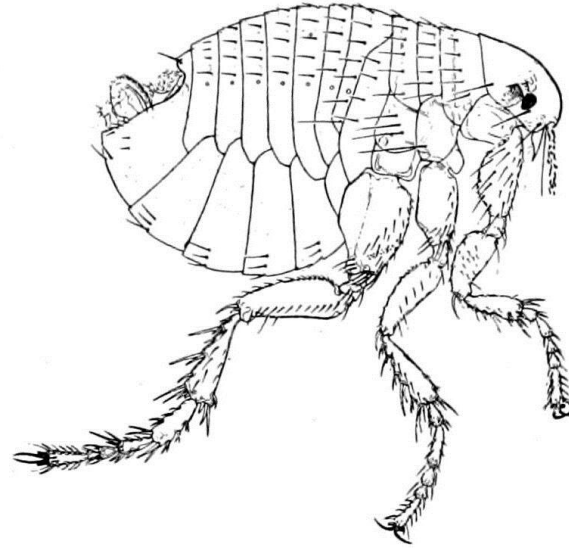
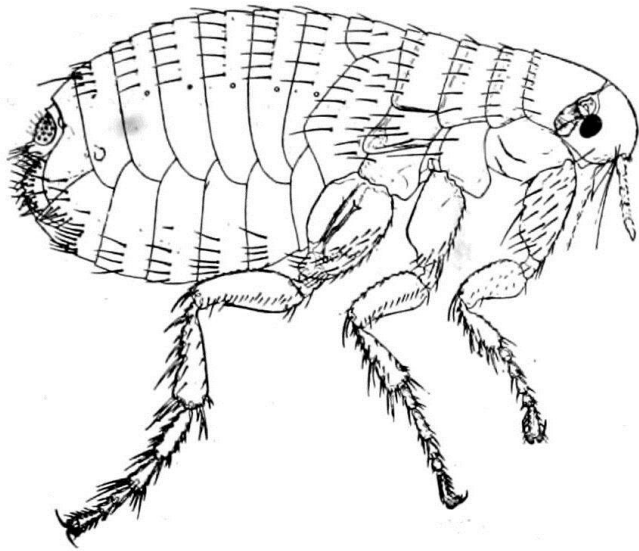
Phylum : Arthropoda

Class : Insecta

Order : Siphonaptera

Ex : Pulex irritans

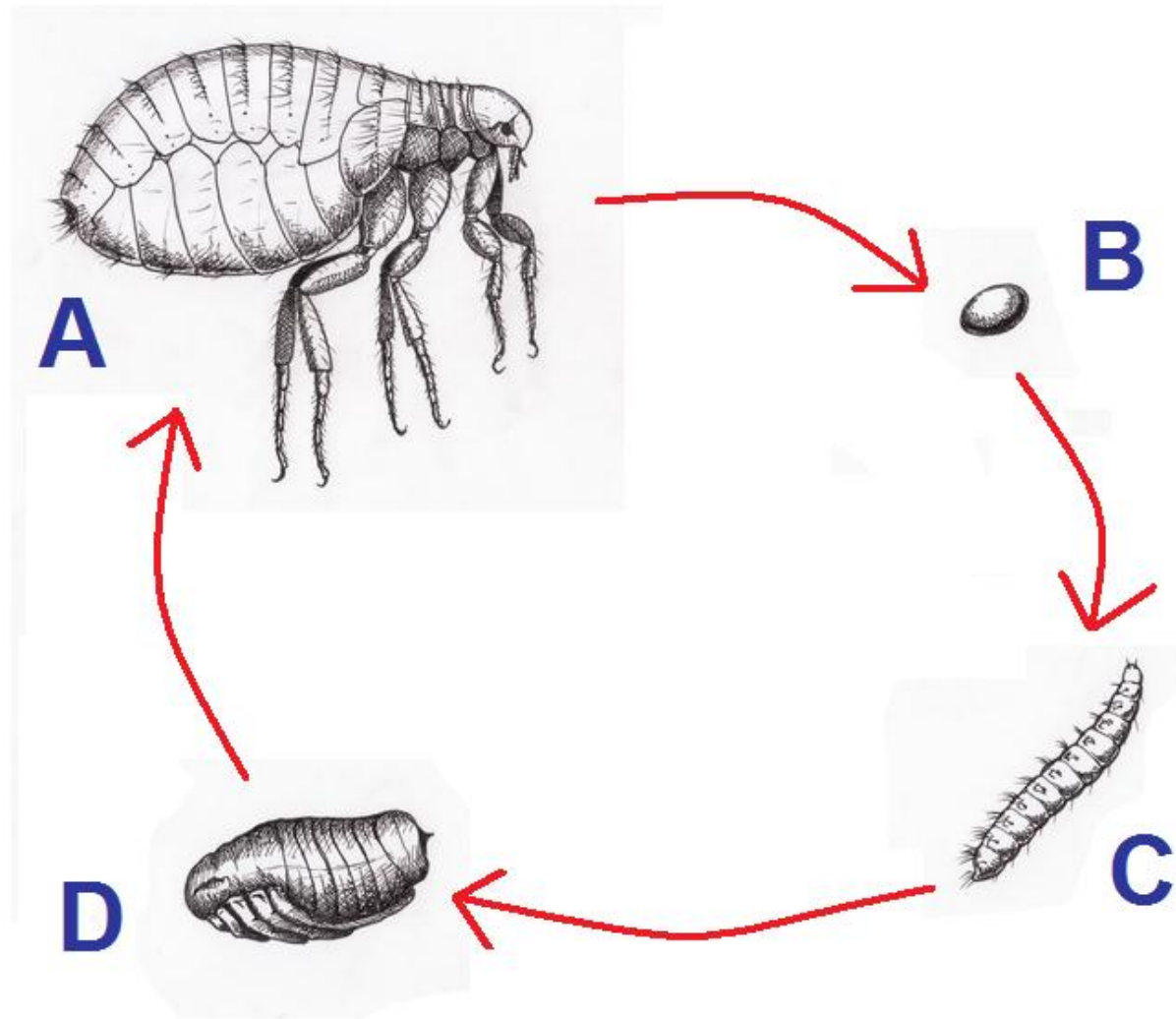
Pulex irritans



· *Pulex irritans*, the human flea ; male, right ; female, left.



Pulex irritans



Phylum : Arthropoda

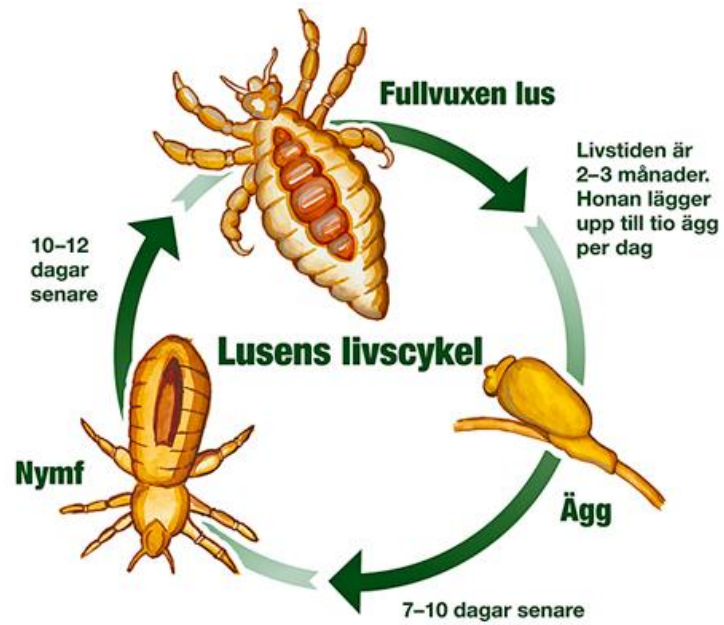
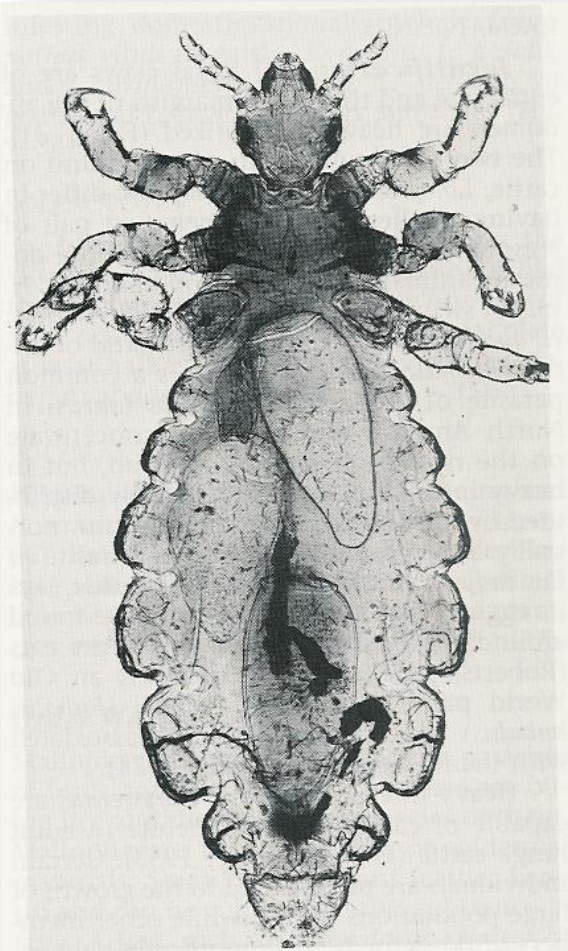
Class : Insecta

Order: Phthiraptera

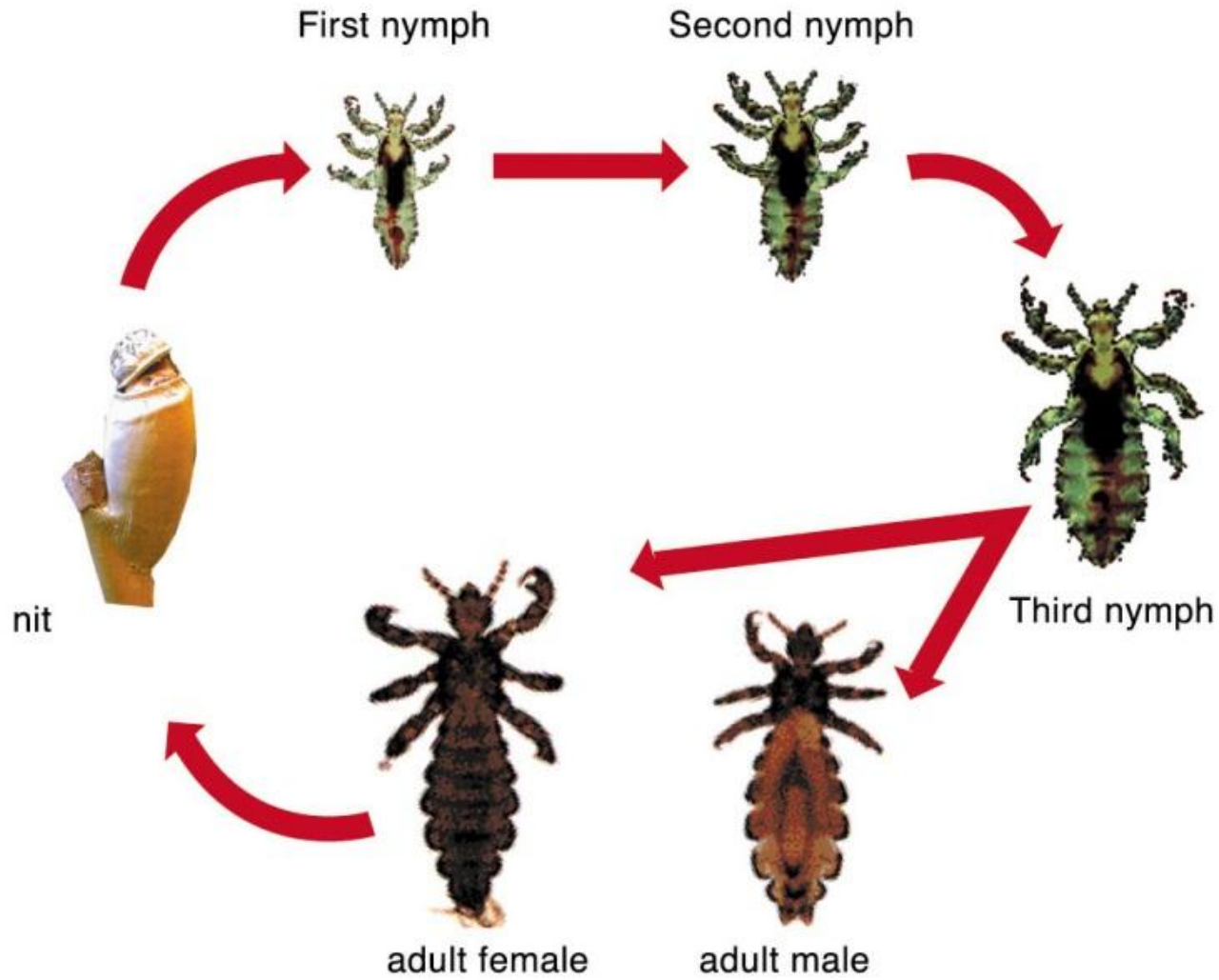
suborder : Anapleura

Ex : Pediculus humanus capitis

Pediculus humanus capitis



Pediculus humanus capitis



Pediculus humanus capitis



Phylum : Arthropoda

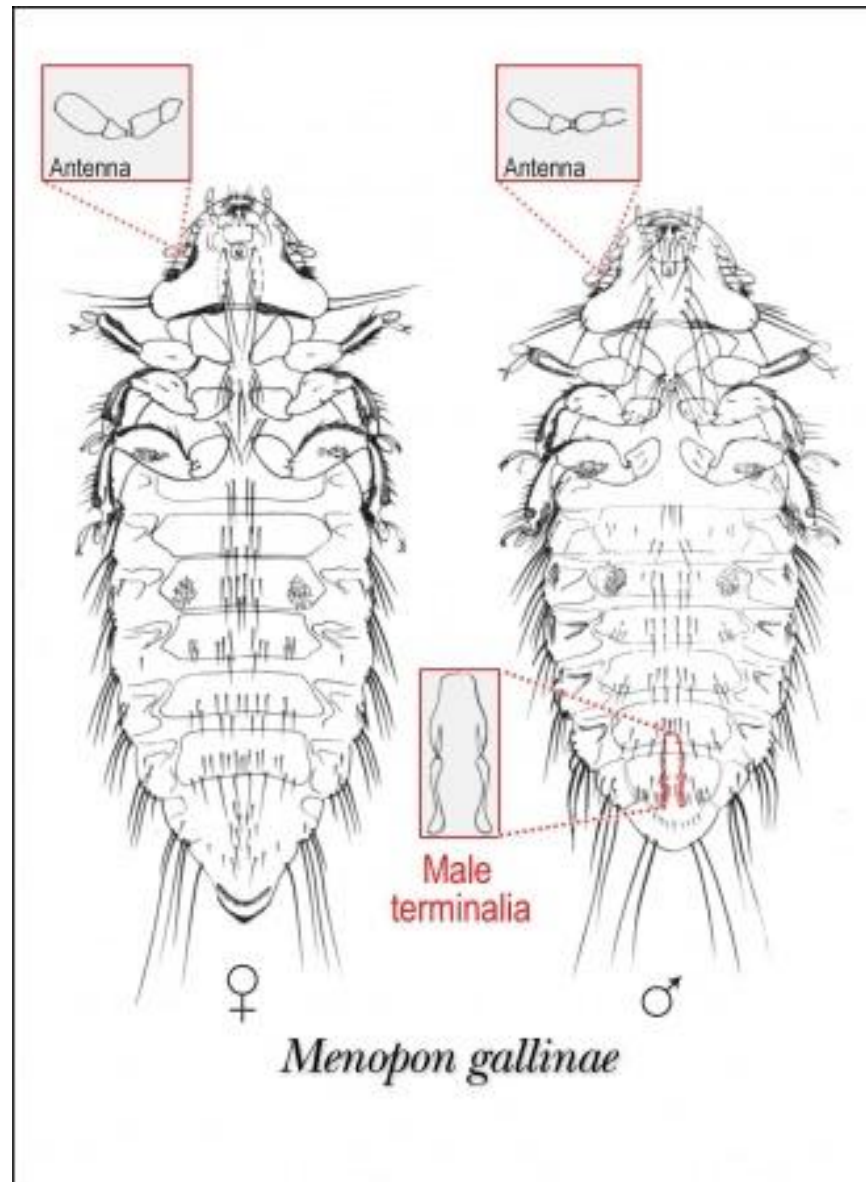
Class : Insecta

Order: Phthiraptera

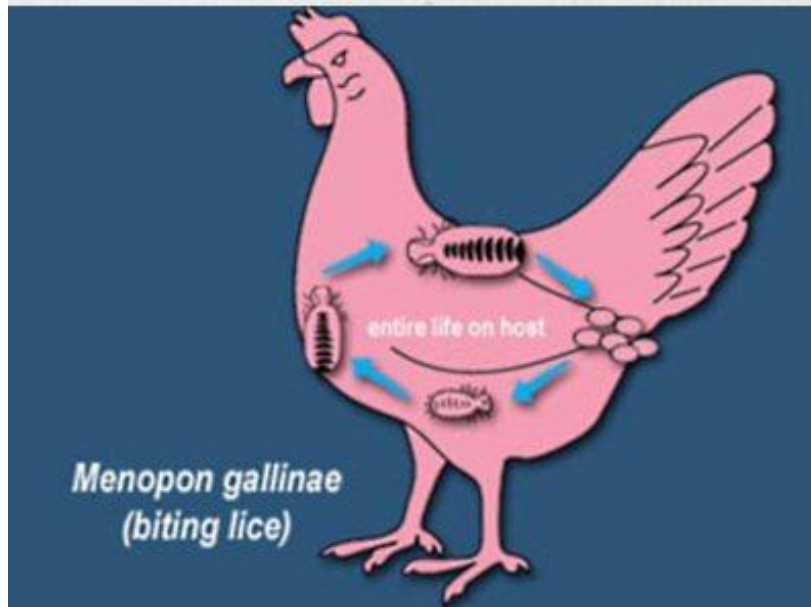
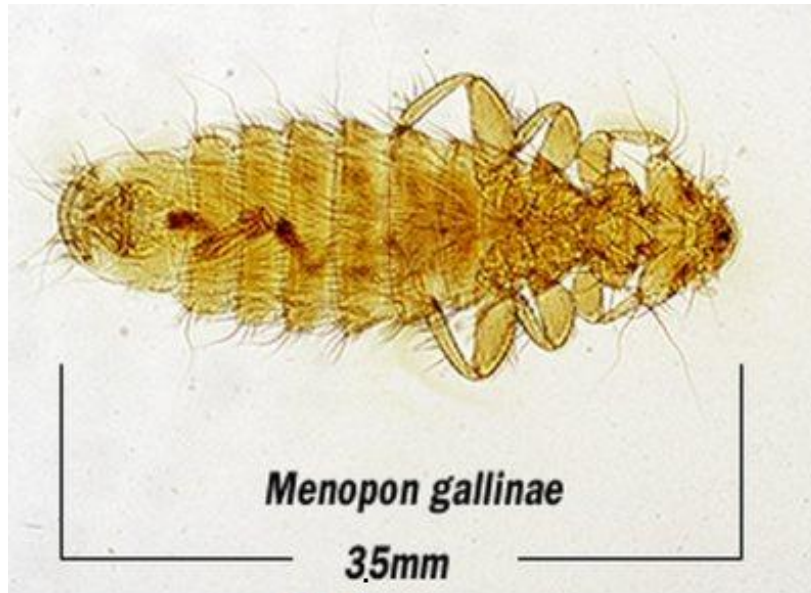
suborder : Mallophaga

Ex : Menopon gallinae

Menopon gallinae



Menopon gallinae



THANK

YOU

