BLAGK FLISSIMULIUM

onchocerciasis

Name Simulium damnosum
Length 3 mm

Longevity as a biting insect 2-3 weeks
Special feature capable of active flight

for tens of kilometres

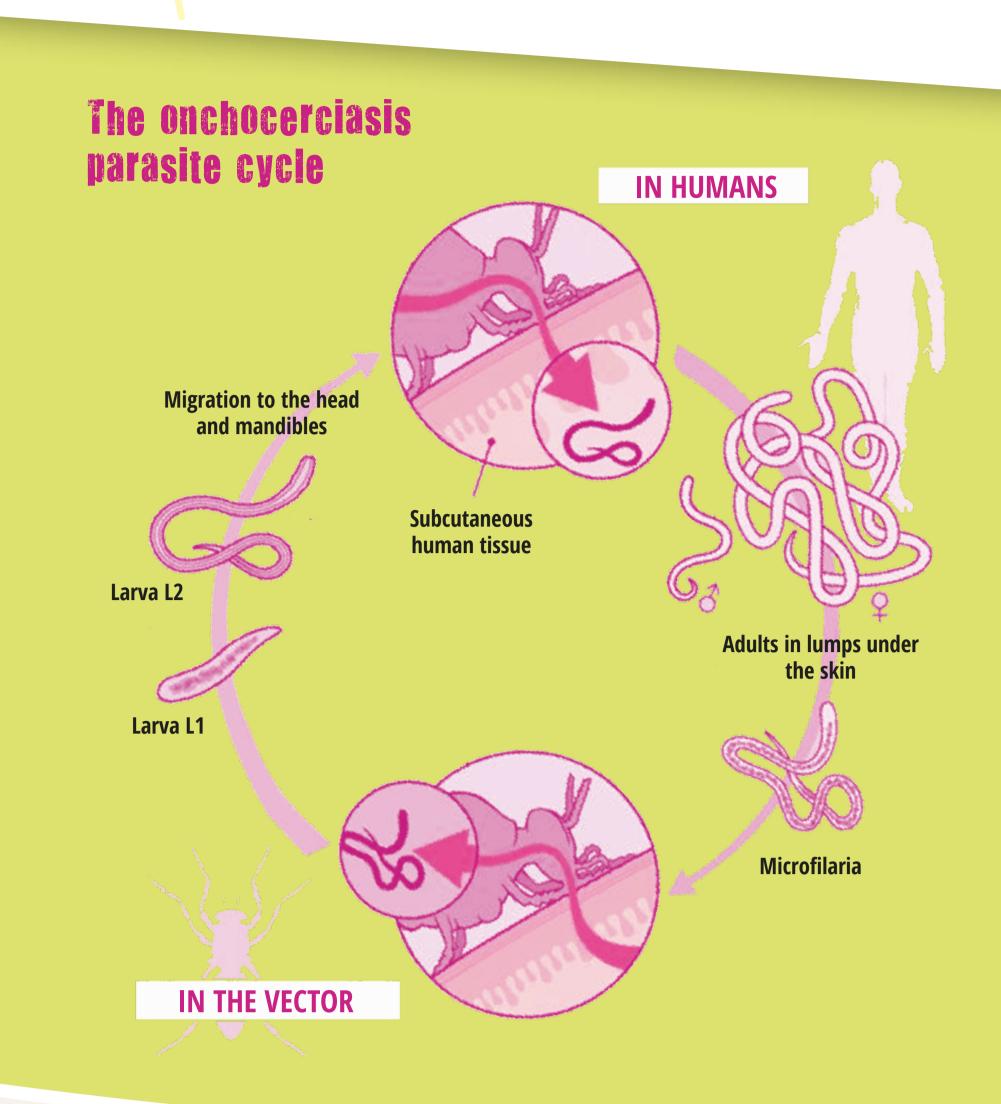


Simulium are black flies. Their larvae and pupae live in fast-flowing rivers. Adults emerging from their spun cocoons rise to the surface in an air bubble. Only the females feed on blood. They tend to bite in daytime.









Geographic distribution

The distribution of onchocerciasis today

The biological constraints of larvae mean that Simulium are found in particularly

large numbers near rivers.

99% of cases of onchocerciasis or 'river blindness' have been recorded in Africa.



le contra de la companya de la contra del la contra del la contra della contra dell

The main infectious agent transmitted to humans by Simulium black flies is the parasitic worm Onchocerca volvulus that causes onchocerciasis. The microfilaria laid by adult worms burrow into the skin and ocular tissues, causing lesions that may result in irreversible blindness. The disease is particularly prevalent in rural areas of African savannah where outbreaks are seen along watercourses.

In operations coordinated by the World

Health Organization (WHO), with a primordial contribution
by IRD, larvicides were sprayed over rivers
from 1974 to 2002 by the Onchocerciasis Control Programme
in West Africa. This allowed the repopulation
of fertile valleys that now carry no risks for the population.
Today, 37 million Africans are still infected
and 90 million live in risk zones.



Prevention and control

Two types of measure are recommended:

Protect against bites using chemical repellents and appropriate clothing

If prevention fails, treat using **Ivermectine**, an effective medication against microfilaria

Monitoring onchocerciasis outbreak areas will make it possible to maintain the progress made













