Onchocerciasis

INTERVENTION:
Mass drug administration with ivermectin

Microfilariae penetrate blackfly’s stomach wall and migrate to thoracic muscles

Larval differentiation from stage 1 (L1) to stage 2 (L2) and stage 3 (L3)

Infective stage L3 larvae migrate to blackfly’s head and elongated nose

L3 transmission occurs when larvae enter skin through the blackfly bite wound

In subcutaneous tissue, L3 larvae differentiate into L4 adult worms

Female adult worms found in the subcutaneous tissue of infected persons, produce microfilariae.

Signs of infection include severe itching, skin discoloration and disfigurements, and blindness.

Blackfly bites human and ingests *Onchocerca volvulus* microfilariae during a blood meal

L/three.LP transmission occurs when larvae enter skin through the blackfly bite wound

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INTERVENTION:
Vector control: Larviciding

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