Ivermectin and diethylcarbamazine trials in leaf monkeys (Presbytis cristatus) infected with Wuchereria kalimantani.

Kurniawan A, Sartono E, Setiowati WE, Supali T, Wibowo H, Purnomo, Rukmono B, Partono F.

Department of Parasitology, Faculty of Medicine, University of Indonesia, Jakarta.

Abstract

Clinical trials of Ivermectin in single oral doses of 200, 400, and 1,000 mg/kg body weight or in multiple doses of 200 mg/kg body weight for 5 consecutive days were performed in leaf monkeys (Presbytis cristatus) infected with Wuchereria kalimantani. Optimal microfilaricidal effect occurred at 200 mg/kg body weight. The drug was less effective than diethylcarbamazine in this animal model for human filariasis but had no adverse effects.