

Scientific publications related to onchocerciasis

May 2026

- [Neglected tropical diseases elimination activities in South Sudan's largest refugee camp: lessons from 2 years of work](#), (PubMed)
- [Nodding Syndrome: Shifting the Focus from Cause to Treatment](#), (AJTMH)
- [Comorbidities of onchocerciasis and non-communicable diseases, and determinants of continued transmission in Bafut Health District, Cameroon](#), (PubMed)
- [Challenges of onchocerciasis elimination in the Democratic Republic of Congo](#), (PubMed)

April 2026

- [High-resolution mapping of onchocerciasis risk in Ghana using spatial machine learning models](#), (PubMed)
- [First human infection with *Onchocerca takaokai* \(Spirurida: Onchocercidae\) presenting as creeping eruption in Japan](#), (PubMed)
- [Probable Loa loa-associated encephalopathy following ivermectin administration in a patient with malaria infection: A case report from the Democratic Republic of the Congo](#), (PubMed)
- [Efficacy of oxfendazole treatment against infective larvae of *Litomosoides sigmodontis*](#), (PubMed)
- [Baseline onchocerciasis prevalence, community perceptions and attitudes around the Singrobo-Ahouaty hydroelectric dam before impoundment, South-Central Côte d'Ivoire](#), (PubMed)
- [Investigating impact of slash and clear vector control strategy on blackfly population and onchocerciasis transmission in a hotspot in Nigeria](#), (PubMed)

March 2026

- [Programmatic implications of the efficiency of uptake of *Onchocerca volvulus* microfilaria by *Simulium* sp. Vectors](#), (PubMed)
- [Onchocerciasis overview: pathogenesis, clinical spectrum, and therapeutic challenges of a neglected tropical disease](#), (PubMed)
- [Community Perspectives on Ethical Considerations in Clinical Research: Lessons from the ESRIFAL Clinical Trial in the Meme River Basin, Cameroon](#), (PubMed)
- [A GIS and field-based assessment of the ecological consequences of illegal mining \(galamsey\) on blackfly breeding sites in Ghana: implications for the sustainable development goals](#), (PubMed)
- [Autophagy is essential for anti- *Wolbachia* drug efficacy in *Brugia malayi* and insect cells](#), (PubMed)
- [Nodding Syndrome: The Need to Strengthen Epilepsy Care in Onchocerciasis-Endemic Areas and to Investigate the Pathogenesis of Onchocerciasis-Associated Epilepsy](#), (PubMed)
- [Onchocerca volvulus infection prevalence and intensity in Logo and Nyarambe Health Zones in Ituri, Democratic Republic of the Congo in 2010 and in 2021-2023: results of screening for clinical trials of moxidectin versus ivermectin](#), (PubMed)
- [Perception on blackflies and community ownership of the "Slash-and-Clear" vector control intervention in onchocerciasis-endemic communities along Edo-Ondo border in Southern Nigeria](#), (PubMed)
- [Spatio-temporal analysis and geostatistical modelling of onchocerciasis prevalence in Nigeria to support elimination efforts](#), (PubMed)
- [Niger: the first human onchocerciasis-endemic country in Africa to achieve elimination of infection transmission](#), (PubMed)
- [Cognitive, Behavioral, and Emotional Manifestations in Nodding Syndrome: A Neuropsychological Narrative Review](#), (PubMed)

- [Modelling of onchocerciasis-associated skin and ocular disease and the impact of ivermectin treatment](#), (PubMed)
- [Towards an Epidemiology of Compassion](#), (Internat. Journal of Wellbeing)

February 2026

- [The risk of onchocerciasis infection by human population movements between high and low transmission settings in Ghana](#), (PubMed)
- [Integrated serosurveillance to assess disease elimination in coastal Ecuador: onchocerciasis, yaws, and trachoma](#), (PubMed)
- [Point participation does not reflect long-term treatment adherence: An evaluation of ivermectin MDA in the Kwanware-Ottou persistent onchocerciasis transmission focus, Wenchi, Ghana](#), (PubMed)
- [HISTONCHO: A dataset of intervention histories for onchocerciasis control & elimination in sub-Saharan Africa](#), (PubMed)
- [Design and analysis of randomized clinical trials for onchocerciasis, loiasis and mansonellosis: A systematic review](#), (PubMed)
- [Exploring potential pathogenesis mechanisms of onchocerciasis-associated epilepsy through cerebrospinal fluid analysis of children with complex febrile seizures: a pilot study in Aketi, Democratic Republic of the Congo](#), (PubMed)
- [Strengthening health systems through NTD integration: Key insights from a multi-country webinar](#) (Plos NTDS)
- [Pharmacokinetics, safety, and tolerability of an oxfendazole tablet formulation: a phase 1, randomized, placebo-controlled trial in healthy African volunteers](#), (PubMed)
- [Reaching the last mile with ivermectin mass drug administration against onchocerciasis: The case of Kwanware-Ottou persistent transmission focus in the Wenchi health district of Ghana](#), (PubMed)
- [Defining onchocerciasis transmission zones: Integrating operational insights with genomic and ecological advances](#), (PubMed)
- [The importance of focusing on entomology in the efforts to eliminate onchocerciasis](#), (PubMed)
- [Repurposing Oxfendazole for Onchocerciasis: Population Pharmacokinetics of a Tablet Formulation in Healthy African Adults](#), (PubMed)
- [Important entomological events in the history of onchocerciasis \("river blindness"\)](#), (PubMed)
- [Impact of seasonal changes on human onchocerciasis transmission and disease elimination](#), (PubMed)
- [Empowering the next generation: the END fund field entomology mentorship program](#), (PubMed)
- [Delineation of onchocerciasis operational transmission zones of Burkina Faso](#), (PubMed)
- [Onchocerciasis elimination mapping in Malawi: Mapping of vector Simulium breeding sites using an integrated approach of community knowledge and topographical map](#), (PubMed)
- [Progress towards interrupting onchocerciasis transmission in the Oulibangala focus, Chad](#), (PubMed)
- [An innovative concept of using community information for surveys and developing a map of Simulium breeding sites](#), (PubMed)
- [The WHO IRIS APOC Collection: an electronic resource of the OCP and APOC experience and data to inform onchocerciasis elimination strategies](#), (PubMed)
- [Adult blackfly \(Simulium damnosum s.l.\) collection methods: overview and research needs](#), (PubMed)
- [Microplanning for entomological surveys to sustain the onchocerciasis elimination effort in West Africa](#), (PubMed)
- [The Death to Onchocerciasis and Lymphatic Filariasis \(DOLF\) project: Accomplishments and ongoing research](#), (PubMed)

January 2026

- [Ongoing transmission of human onchocerciasis in blackflies in the medical district of Mont Ngafula 1 in Kinshasa after nearly two decades of uninterrupted onchocerciasis mass campaigns using community-directed treatment with ivermectin strategy](#), (PubMed)
- [Helminth Antigens Modulate Virus-Induced Activation of CD154 \(CD40L\) Expression on T Cells in Onchocerca volvulus-Infected Individuals](#), (PubMed)
- [Assessment of the efficacy and safety of two albendazole regimens for the treatment of hypermicrofilaraemic loiasis in adults in Woleu-Ntem Province, Gabon: A phase IIb single-blind randomised controlled trial](#), (PubMed)
- [Malaria in onchocerciasis-endemic populations: patterns in two districts in the Oti and Volta regions of Ghana](#) (BMC Infectious Diseases)
- [Modelling the effects of immigration on the re-introduction of onchocerciasis](#) (PubMed)
- [Onchocerciasis and non-communicable diseases in the Bafut Health District, Cameroon: Knowledge, attitudes, and practices towards community-directed treatment with ivermectin](#), (PubMed)

December 2025

- [Neglected tropical diseases elimination in Africa: lessons from regional control programmes](#), (PubMed)
- [Rebound in prevalence and intensity of Onchocerca volvulus infection five years after cessation of alternative treatment strategies in the Massangam Health District, West Region, Cameroon: need for coordinated and sustained efforts](#) (PLOS NTDs)
- [Reaching elimination of onchocerciasis transmission with long-term vector control and ivermectin treatment in Togo](#) (Nature communications)
- [Effects of emodepside on single-channel properties of Onchocerca volvulus SLO-1A \(BK\) potassium channels](#) (PubMed)
- [Evaluation of NTD-O2, a Ghanaian herbal medicine, for onchocerciasis and animal African trypanosomiasis](#) (PubMed)
- [Zoonotic filariasis and its public health significance: a comprehensive literature review](#) (Frontiers)
- [Community engagement in mass drug administration participatory interventions: A scoping review](#) (PLOS NTDs)
- [Loiasis: the missing piece in the neglected tropical disease agenda](#) (PubMed)
- [Numerous onchocercomas in an elderly Ugandan woman: A rare presentation of onchocerciasis](#) (JAAD case reports)

November 2025:

- [Performance of novel onchocerciasis rapid diagnostic tests in a field setting in South Sudan](#) (PubMed)
- [Investigating HLA haplotypes as a potential risk factor for nodding syndrome: A case-control study in the Mahenge area, Tanzania](#) (PubMed)
- [Therapeutic and Formulation Advances of Ivermectin in Veterinary and Human Medicine](#) (PubMed)
- [Challenges in the implementation of mass drug administration programs with ivermectin for the control and elimination of onchocerciasis: a scoping review protocol](#) (PubMed)

October 2025:

- [Exploring the role of onchocerciasis in epilepsy: insights from a mouse model study](#) (PubMed)

- [Epidemiology and Risks Survey of Onchocerca volvulus Infection in Igbo-Eze North Local Government Area, Enugu State, Nigeria](#) (PubMed)
- [Humoral immune response to COVID-19 vaccines in onchocerciasis-infected individuals: a field study from Ghana](#) (Frontiers)
- [Decline in prevalence and intensity of onchocerciasis in sentinel villages along the Comoé river in Cascades region, Burkina Faso following five years of community directed bi-annual ivermectin treatment, 2011-2015](#) (PubMed)
- [Recurrence or Reinfection with Onchocerca lupi in a Child in 2021 and 2024 in New Mexico amid Rising Canine Infections](#) (PubMed)
- [Lessons from piloting and scaling a real-time DHIS2 based treatment reporting tool for mass drug administration in Nigeria](#) (PLOS NTDs)
- [Vaccination against Onchocerca volvulus induces IgG-mediated protective immunity dependent on neutrophils and complement](#) (PubMed)
- [Ivermectin: a therapeutic strategy to treat patients with resistant epilepsy](#) (PubMed)

September 2025:

- [Preliminary Evaluation of the Diagnostic Performance of OvMANE1 and OvMCBL02 Multiepitope Antigens for the Non-Invasive Diagnosis of Onchocerciasis Exposure](#) (PubMed)
- [Modulation allostérique positive des canaux potassiques Brugia malayi SLO-1F et Onchocerca volvulus SLO-1A sensibles à l'émodepside par GoSlo-SR-5-69](#) (Plos Pathogens)
- [Strategies and Recommendations for the Prevention and Control of War-Facilitated Onchocerciasis Reemergence in Sudan](#) (PubMed)
- [Community-directed treatment with ivermectin in Maridi, South Sudan: Impact of an onchocerciasis awareness campaign and bi-annual treatment on therapeutic coverage](#) (PubMed)
- [Repurposing of Anti-Infectives for the Management of Onchocerciasis Using Machine Learning and Protein Docking Studies](#) (PubMed)
- [Fixed-dose ivermectin for Mass Drug Administration: Is it time to leave the dose pole behind? Insights from an Individual Participant Data Meta-Analysis](#) (PLOS NTDs)
- [Knowledge, attitude and preventive practices towards onchocerciasis among residents of Ogun Waterside Local Government, IJEBU South-West, Nigeria](#) (PubMed)
- [Unlocking the blueprint to eliminating neglected tropical diseases: A review of efforts in 50 countries that have eliminated at least 1 NTD](#) (PubMed)
- [Onchocerciasis and Non-Communicable Diseases in the Bafut Health District, Cameroon: Knowledge, Attitudes, and Practices Towards Community-Directed Treatment with Ivermectin](#) (medRxiv)
- [Evaluation of the Clinical Performance of Two New Onchocerciasis Rapid Diagnostic Tests](#) (medRxiv)
- [Disability and quality of life assessment using WHODAS-12 items 2.0 and EQ-5D-5L in a rural area endemic for loiasis in the Republic of Congo: A population-based cross-sectional study \(the MorLo project\)](#) (PLOS NTDs)
- [Fixed-dose ivermectin for Mass Drug Administration: Is it time to leave the dose pole behind? Insights from an Individual Participant Data Meta-Analysis](#) (PLOS NTDs)
- [Clinical trial to test potential new cure for river blindness](#) (LSTM)

August 2025:

- [Recrudescence of transmission of onchocerciasis in some endemic communities in Kaduna State, Nigeria](#) (PLOS NTDs)
- [Emodepside Effects on Onchocerca volvulus BK Potassium Channels](#) (PubMed)

- [Community Knowledge, Attitudes, and Participation in Onchocerciasis Control near Erin-Ijesha and Arinta Waterfalls, Southwest Nigeria](#) (PubMed)
- [The last mile in onchocerciasis elimination: diagnostic challenges](#) (PubMed)
- [Onchocerciasis status in Guinea-Bissau: an overview of trends in epidemiological and entomological indicators](#) (PubMed)
- [Usability, acceptability, and cost of the SD BIOLINE Ov16 rapid diagnostic test for onchocerciasis surveillance in endemic communities in the middle belt of Ghana](#) (PubMed)
- [Global Epidemiology of Vector-Borne Parasitic Diseases: Burden, Trends, Disparities, and Forecasts \(1990-2036\)](#) (PubMed)

July 2025:

- [Larval Susceptibility and Impact of Temephos Treatment in Cameroon's Mbende Tributary](#) (*Parasites Vectors*)
- [Safety and Efficacy of 3- and 5-Day Levamisole Regimens in Loiasis: A Randomized Trial](#) (PubMed)
- [Vector Dynamics and Onchocerca Infectivity in Simulium damnosum at Two Waterfalls in Southwest Nigeria](#) (Science Direct)
- [Genetic Structure and Reproductive Adult Estimates in Onchocerca volvulus Across Hosts and Regions](#) (PubMed)
- [Evaluating Moxidectin Dosing in Children for Onchocerciasis: A Safety and PK Study](#) (*Parasites & Vectors*)
- [Temephos Susceptibility and Impact of Larvicide Treatment on Simulium Larvae and Adult Biting Rates in Cameroon](#) (*Parasites & Vectors*)
- [The changing neglected tropical disease landscape in Africa: implications for policy, practice, and strengthening health systems](#) (*Health Affairs Scholar*)
- [A community-based vector control intervention “Slash and Clear” implemented in two onchocerciasis-endemic foci in South Sudan](#) (PLOS NTDs)
- [Averting collapse: Reimagining the NTDs ecosystem through G20 health diplomacy and science innovation](#) (Science Direct)

June 2025:

- [A cross-sectional investigation of the ophthalmological impact of loiasis in Cameroon, Central Africa](#) (Plos NTDs)
- [Using Xenomonitoring to Measure Triple-Drug Impact on lymphatic Filariasis in the Kenyan coast](#) (medRxiv)
- [Decreasing epilepsy-related mortality in the Maridi onchocerciasis focus, South Sudan](#) (PubMed)
- [Antibody Biomarker for Onchocerca volvulus Identified via Proteomic Analysis](#) (PubMed)
- [Assessing Onchocerciasis in New Areas for Ivermectin distribution in Fer-Fer, Ethiopia](#) (PubMed)
- [High epilepsy prevalence and excess mortality in onchocerciasis-endemic counties of South Sudan](#) (Plos NTDs)
- [Identification to cytospecies of the vector of onchocerciasis in the Republic of Niger](#) (PubMed)
- [B12N12 and A112N12 Nanocages as Carriers for an Anti-Onchocerciasis Agent: A DFT Study](#) (PubMed)
- [Global Burden of Skin and Subcutaneous Diseases: GBD 2021 Analysis](#) (*International Health*)

May 2025:

- [HISTONCHO: A database of intervention histories for onchocerciasis control & elimination in sub-Saharan Africa](#) (medRxiv)

- [Investigating Non-*S. damnosum* Black Flies in Cameroon with Molecular Tools](#) (PubMed)
- [Evaluating Albendazole for Loiasis: A Phase IIb Study in Gabon](#) (medRxiv)
- [Utilization of health facilities and schools in onchocerciasis elimination efforts](#) (PubMed)

April 2025

- [Reaching Elimination of Onchocerciasis Transmission with Long-term Vector Control and Ivermectin Treatment in West Africa: The Example of Togo](#) (Research Square)
- [Mass drug administration coverage and its determinants for the elimination of onchocerciasis in Ulanga District, Tanzania](#) (Plos NTDs)

March 2025

- [Constructing Success: The World Bank, Onchocerciasis Control, and What Lies Beneath Triumphant Global Health Narratives](#) (PubMed)
- [Revisiting the Loa loa microfilaremia thresholds above which serious adverse events may occur with ivermectin treatment](#) (Plos NTD)
- [Accelerating onchocerciasis elimination in humanitarian settings: lessons from South Sudan](#) (PubMed)
- [Knowledge and Practices of Four Onchocerciasis-Endemic Communities in Cameroon](#) (PubMed)
- [Status of onchocerciasis transmission in the Adamaoua region of Cameroon after 20 years of ivermectin mass distribution](#) (Plos NTDs)

2024

- [GONE to combat onchocerciasis](#) (The Lancet Microbe)
- [Loiasis: bringing an end to neglect](#) (The Lancet World Report)
- [Niger eliminates onchocerciasis](#) (The Lancet Microbe)

2023

- GONE – A new key-player for onchocerciasis elimination