

Online Global Health Course 4: Parasitic Infections

About this course:

This course is provided by the Department of Medicine, Global Medicine as an online course in Canvas. This course prepares physicians and other health care providers to care for people traveling to (or living in) developing countries and other settings where resources are limited. If you have questions or need support during the course contact globalhealth@umn.edu.

Once enrolled in the course, complete all elements of the Canvas course including: the pre-test, modules, supplemental bonus material (optional, not required for completion of the course) and post-test. Be sure to complete the course evaluation form; this is required to receive the available CE credit and/or a Certificate of Completion.

Upon submission of your evaluation, you will have an opportunity to print a copy of your Certificate when it appears on your screen. The Office of Continuing Professional Development (OCPD) will also record your completion in [CE Portal](#). You will use your email address to access your account in CE Portal. Allow one month for your transcript in CE Portal to be updated; contact cme@umn.edu if you have questions or need assistance accessing CE Portal. *CE Portal is not connected to any other University or Fairview systems and if you have not previously accessed your CE Portal account, select Forgot Your Password on the Sign In screen to set your password.*

Estimated time to complete: 35.25 hours

Original Release Date: 3/7/2011

Recent Content Review: February 2025

Content Valid Through: 6/30/2026

Objectives

At the conclusion of this course, learners should be able to:

1. Analyze the epidemiology of under-represented tropical infectious parasitic diseases.
2. Describe the pathophysiology and clinical presentation of these diseases, spanning malaria, other protozoa, helminths, and vector-borne infections.
3. Demonstrate the diagnosis and treatment of these diseases at the clinical level.
4. Identify social determinants of health that impact neglected parasitic diseases.

Accreditation

In support of improving patient care, University of Minnesota, Interprofessional Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.



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Credit Designation Statements

American Medical Association (AMA)

The University of Minnesota, Interprofessional Continuing Education designates this enduring material

for a maximum of 35.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Healthcare Professionals

Other healthcare professionals who participate in this CE activity may submit their statement of participation to their appropriate accrediting organizations or state boards for consideration of credit. The participant is responsible for determining whether this activity meets the requirements for acceptable continuing education.

Additional Information

Cancellation Policy

Registration of this asynchronous course is final with no refunds after the course has been started. If there are circumstances requiring administrative review, organizers may be contacted directly at gblhlth@umn.edu for individual review.

Disclosure Summary

Module A: Neglected Tropical Diseases			
Neglected Tropical Diseases (Parasites Course)	Faculty	Dr. Bobbi Pritt	Nothing to disclose
	Faculty	Dr. Bill Stauffer	Nothing to disclose
Neglected Parasitic Infections In the U.S.	Faculty	Dana Woodhall, PhD	Nothing to disclose
Helminth Immunology and Hygiene Hypothesis	Faculty	Ed Mitre, MD	Nothing to disclose
Module B: Malaria			
Malaria diagnostics	Faculty	Dr. Bobbi Pritt	Nothing to disclose
Malaria Pathophysiology	Faculty	Dr. Anne Frosch	Nothing to disclose
Malaria Epidemiology	Faculty	Dr. Anjoli Anand	Nothing to disclose
Malaria Immunology	Faculty	Dr. Anne Frosch	Nothing to disclose
Update on Malaria Chemoprophylaxis	Faculty	Dr. Katherine Tan	Nothing to disclose
Historical Perspective on the Science and Practice of Malaria Control and Elimination	Faculty	Dr. S Patrick Kachur, MD, MPH, FACPM, FASTMH	Nothing to disclose
Malaria Control	Faculty	Dr. Anjoli Anand	Nothing to disclose
History of Malaria in the United States	Faculty	Dr. Supavit Chesdachai	Nothing to disclose
Malaria Diagnosis and Treatment in the U.S.	Faculty	Dr. Anne Frosch	Nothing to disclose
Malaria in Pregnancy	Faculty	Dr. Sarah Blythe-Ballard	Nothing to disclose

Splenomegaly	Faculty	Matthew Goers, MD	Nothing to disclose
P. Vivax Malaria	Faculty	Alison Fountain, MD	Nothing to disclose
P. Knowlesi Malaria	Faculty	Wasin Matsee, MD	Nothing to disclose
Module C: Other Protozoa			
Free-Living Ameba	Faculty	Jennifer R. Cope, MD, MPH	Nothing to disclose
Amebiasis	Faculty	Bill Petri, MD	Consultant: TechLab, Inc.
Update on Intestinal Protozoa	Faculty	Richard Bradbury, PhD	Nothing to disclose
Leishmaniasis: Visual Diagnosis Show & Tell	Faculty	Naomi Aronson, MD	Nothing to disclose
		Pedro Legua, MD	Nothing to disclose
		Kristina Krohn, MD	Nothing to disclose
		Megan Shaughnessy, MD	Nothing to disclose
Chagas	Faculty	Dr. Eloy E. Ordaya	Nothing to disclose
Fever in a Traveler Returning from Southern Africa	Faculty	Dr. Peter Melchert	Nothing to disclose
	Faculty	Dr. Shemal Shah	Nothing to disclose
Toxoplasmosis	Faculty	Dr. Lu'aie Kailani	Nothing to disclose
		Leah Bauck MPH	Nothing to disclose
Giardia	Faculty	Dr. Ed Mitre	Nothing to disclose
Module D: Nematodes, Cestodes, and Trematodes			
Parasite Cases	Faculty	Bobbi Pritt, MD	Nothing to disclose
Onchocerciasis	Faculty	Dr. Kristina Krohn	Nothing to disclose
	Faculty	Dr. Bobbi Pritt	Nothing to disclose
	Faculty	Dr. Adriana Dhawan	Nothing to disclose
	Faculty	Dr. Viviane Leuche	Nothing to disclose
Loa Loa	Faculty	Dr. Rebecca Chancey	Nothing to disclose
Lymphatic Filariasis	Faculty	Dr. Rebecca Chancey	Nothing to disclose
Intestinal Helminths	Faculty	Stephen Swanson, MD	Nothing to disclose
Intestinal Cestodes	Faculty	Dr. Richard Bradbury	Nothing to disclose
Neurocysticercosis	Faculty	Christina Coyle, MD	Nothing to disclose
Echinococcosis	Faculty	Dr. Rebecca Chancey	Nothing to disclose
Schistosomiasis	Faculty	Katelyn Sawyer	Nothing to disclose
	Faculty	Dr. Emily Halverson	Nothing to disclose
Female genital schistosomiasis	Faculty	Dr. Hannah Rafferty	Nothing to disclose
Zoonotic Nematodes	Faculty	Dr. Anne Straily	Nothing to disclose
Non-Schistosoma Fluke Infection	Faculty	Patricia F. Walker, MD,DTM&H, FASTMH	Nothing to disclose
Tapeworms	Faculty	Christina Coyle, MD	Nothing to disclose
Trichinella	Faculty	Dr. Stacy Holzbauer	Nothing to disclose
Module E: Insects and Vectors for Diseases			

Medically Important Arthropods	Faculty	Blaine Mathison, BC, M(ASCP)	Nothing to disclose
Vector Diagnostics	Faculty	Elizabeth Schiffman, MD	Nothing to disclose
Module F: Clinical Case Vignettes			
The NOT Delusional Patient	Faculty	Dr. Megan Shaughnessy	Nothing to disclose
Parasitic Dermatology Cases	Faculty	Dr. Alexia Knapp	Nothing to disclose
	Faculty	Dr. Kari Wanut	Nothing to disclose
Case of Chronic Cough	Faculty	Dr. Megan Shaughnessy	Nothing to disclose
Case 1: RUQ pain #1	Faculty	Christina Coyle, MD	Nothing to disclose
Case Study: Diagnosing Hepatic Lesions in Adolescents	Faculty	Dr. Michael Edzards	Nothing to disclose
Case #3 R shoulder pain	Faculty	Christina Coyle, MD	Nothing to disclose
Case #4 RUQ pain #3	Faculty	Christina Coyle, MD	Nothing to disclose
Case #5 R sided pain	Faculty	Christina Coyle, MD	Nothing to disclose
Case #6 RUQ pain #5	Faculty	Christina Coyle, MD	Nothing to disclose
Case #7 RUQ pain #6	Faculty	Christina Coyle, MD	Nothing to disclose
Traveling the World in NYC Case 1: Fever, diarrhea and rash	Faculty	Christina Coyle, MD	Nothing to disclose
Traveling the World in NYC Case 2: Patient with HTLV-1 and emesis and watery stools	Faculty	Christina Coyle, MD	Nothing to disclose
Traveling the World in NYC Case 3: Percurrent rash and diarrhea	Faculty	Christina Coyle, MD	Nothing to disclose
Clinical Case: Ecuadorian with Fever and Hemoptysis	Faculty	Christina Coyle, MD	Nothing to disclose
Clinical Case (Comatose Patient in Cameroon	Faculty	Dr. Benjy Katz	Nothing to disclose
Neurocysticercosis case	Faculty	Alison Galdys, MD	Nothing to disclose
Clinical Case: Fatigue	Faculty	Christina Coyle, MD	Nothing to disclose
Clinical Case: Chest Pain	Faculty	Christina Coyle, MD	Nothing to disclose
Malaria Diagnosis and Treatment in the US	Faculty	Capt. Erik Halsey	Nothing to disclose

Black Tarry Stool and Fatigue	Faculty	Dr. Ben Swart	Nothing to disclose
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Planning Committee		
Kristina Krohn, MD, CTrop Med	Course Director	Nothing to disclose
Megan Shaughnessy, MD, CTropMed	Co-Course Director	Nothing to disclose
Brett Hendel-Paterson, MD, CTropMed®	Planning Committee Member	Nothing to disclose
William Stauffer, MD, MPH, CTropMed®	Planning Committee Member	Nothing to disclose
Beth Scudder, MA, Course Developer	Planning Committee Member	Nothing to disclose
Sarah Sponsler, Global Medicine Pathway Coordinator	Planning Committee Member	Nothing to disclose