

Unit One: Protozoa

Reading, Homework/Discussion, Case Studies for Exam Essay Components

Some Recommended Lecture Resources

Lecture:

Wikipedia Sections: Protozoa, Leishmaniasis, Chagas, Sleeping Sickness, Malaria

CDC/Health Topics A-Z Sections: Leishmaniasis, Chagas, African Trypanosomiasis, Malaria

Homework/Discussion Readings and Assignments

These activities will be due at the discussion day for protozoa.

A. At-Home Writing

(1) After reading the "Malaria Eradication in the US" historical review (note publication date), describe 5 contributing factors to malaria disease in the US, including mentioning specific regions affected in each case, if appropriate. What 3 strategies, in your opinion, most facilitated malaria eradication the US? Recommended length - no more than 3 pages, 1.5 line spacing.

(2) After reading the article, "Malaria-Related Deaths/US Travelers," answer the following: What is the typical incidence and mortality of malaria in the US per year? Where are people catching it? Why are people either suffering or dying unnecessarily? Recommended length - no more than 3 pages, 1.5 line spacing.

B. Discussion/Presentation With Some Turn-In Assignments

(1) Each student will, with some class organization, select 1 African country and research current malaria issues there. To better understand current issues, read the CDC "Malaria: A Reemerging Disease In Africa" prior to tackling your talk. Additionally, your presentation should address incidence, unique factors/problems, and what strategies or programs are in place to fight the disease. Each person will have 3 minutes to summarize their findings in class. For each country, print out the best website you found (with your name) and I will collect after class.

(2) Based on using the CDC EID or MMWR websites, each student will find ONE article about any leishmaniasis outbreak anywhere in the world - although some effort will be made to divide topics to avoid repeat presentations. In class, each person will summarize (in 3 minutes) the salient points of the outbreak (where, when, who). Print out the cover page (with your name) for this article as I will collect these after class.

Exam Essays Will Cover the Following Case Studies

For all, focus on big-picture contents, not technical minutia of the methods. Any of these may be entertained during the discussion day for multicellular parasites and everyone is encouraged to develop questions about these articles for in-class sharing.

CDC/MMWR: 2 articles about Chagas and organ transplants (2001, 2006)

CDC/EID: African Sleeping Sickness and tourists