**Malaria/Leishmaniasis study guide**

Recommended reading

Phillips MA, Burrows JN, Manyando C, Huijsduijnen RH van, Van Voorhis WC, Wells TNC. Malaria. Nature Reviews Disease Primers 2017;3:17050. <https://doi.org/10.1038/nrdp.2017.50>.

WHO Guidelines for Malaria 2022.

<https://apps.who.int/iris/rest/bitstreams/1493946/retrieve>

1. Be able to describe the general lifecycle of Malaria parasites.
   1. At which stages do prophylactic treatments act?
   2. What stages do symptomatic treatments act?
   3. At which stages do transmission-blocking treatments act?
2. How do infections with *Plasmodium falciparum* differ from other *Plasmodium* spp. in terms of:
   1. Pathophysiology and clinical presentation
   2. Prognosis
3. What is the “classic” clinical history and presentation of malaria?
4. What features are seen on peripheral blood smears that are diagnostic of *Plasmodium* parasitaemia?
5. What are the limitations of the HRP-2 rapid diagnostic test?
6. What are the limitations of the LDH test?
7. Why is artemisinin-based combination therapy (ACT) recommended?
8. How is relapse or recurrence of *Plasmodium* parasitaemia detected? What are the most common causes of treatment failure?
9. What causes transmission to other patients (via mosquitoes). How can it be prevented?
10. What are the key diagnostic clues for visceral leishmaniasis (Kala-azar) infection? - i.e. diagnostic Pentad
11. What is the recommended first-line treatment for visceral leishmaniasis?