


## Special Infectious Disease in the Tropics

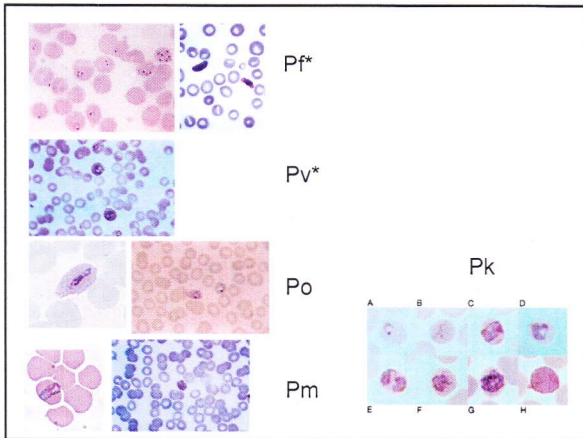
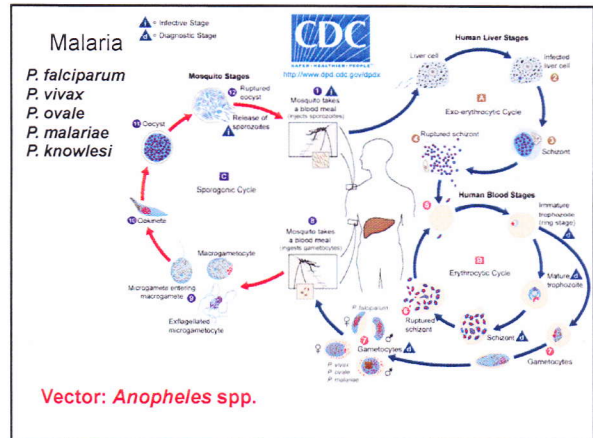
**Malaria**  
**Helminthes**  
**Protozoa**



**Will You Be Traveling Soon?**  
 What About the Germs?  
**UNDERSTANDING TROPICAL DISEASE**  
 What You Need to Know About Tropical Disease

Navigation  
 Discover Germs and Disease of the Tropics

**Pornthep Chanthavanich**



- History:**
- Travel to endemic area within 1-2 mo, incubation : 9-14 days
  - Blood transfusion
  - Born from malarial mother (3-8 wk. after birth)
- Signs and symptoms:**
- Asymptomatic: in hyperendemic areas
  - Non severe: Fever pattern after 1-2 weeks of onset:  
 One day without fever (tertian fever): *P. vivax* or *P. falciparum*  
 2 days without fever (quartan fever): *P. malariae*
  - Severe\*:  
 Hyperparasitemia (parasitemia  $\geq 4\%$ )  
 Severe anemia (Hct  $<15\%$ )  
 Convulsions  
 Acidosis  
 Hypoglycemia (40 mg/dL)  
 Cerebral malaria
- Not common:**
- Jaundice (TB  $\geq 3$  mg%),
  - ARF (Cr  $>3$  mg% or oliguria),
  - pulmonary edema (\*any stage),
  - Severe bleeding (DIC, coagulopathy, decrease Pit)
- Hypnozoite (relapse):** *P. vivax, P. ovale*
- \*Blood transfusion & congenital malaria: no hypnozoite

