

Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health (CTropMed®) ASTMH

Striving for Professional Excellence in Clinical Tropical Medicine and Travelers' Health

November 1, 2014
New Orleans Marriott
New Orleans, Louisiana USA







Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health (CTropMed®) ASTMH

Fostering professional development in the fields of clinical tropical medicine and travelers' health is one of the Society's highest priorities. To that end, ASTMH developed the Certificate in Clinical Tropical Medicine and Travelers' Health (CTropMed®) as a means to distinguish individuals who have demonstrated advanced knowledge and experience in clinical tropical medicine and travelers' health. The CTropMed® is conferred on licensed healthcare professionals who 1) have passed an ASTMH accredited training (diploma) course or have extensive professional experience in clinical tropical medicine, 2) have experience in a clinical setting in the tropics, and 3) have passed the ASTMH Examination in Clinical Tropical Medicine and Travelers' Health.

To support this process, ASTMH accredits specific diploma courses that meet rigorous standards for excellence in clinical training developed by the Society. Successful completion of one of these courses (see page 3) prepares the individual to sit for the examination. Established by ASTMH in 1995, the examination assesses and recognizes individual excellence in training and knowledge. Fulfilling these criteria confers eligibility for the CTropMed® and indicates that the candidate has achieved the ASTMH standard of excellence in knowledge and expertise in clinical tropical medicine and travelers' health.

About the Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health – CTropMed®

The eligibility requirements and examination materials are developed based on a review and analysis of the current state of medical and scientific knowledge in the fields.

Who Can Apply for the CTropMed® Examination

Open to any licensed healthcare professional (physician, physician assistant, nurse, nurse practitioner) in the United States or Canada or the equivalent elsewhere in the world. Physicians must have an unconditional, unrestricted license to practice medicine. Nurses must have a current, unencumbered license as a registered nurse valid through the date of the examination. Students may apply under specific circumstances, see page 3, Diploma Course Pathway.

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1. Obtain Eligibility Through Diploma Course or Practice Pathway

Diploma Course

- Successful completion of an <u>ASTMH-approved diploma course</u> in tropical medicine. The course must have been accredited at the time the diploma was awarded.
- If more than five years since completion of diploma course:
 - → physicians and physician assistants must provide documentation of 15 hours of continuing medical education (American Medical Association Category 1) in tropical and/or travel medicine. Include a copy of the certificate(s) of attendance issued by the Continuing Education provider.
 - → nurses must provide continuing nursing education (CNE Category 1) in a related field. Include a copy of the certificate(s) of attendance issued by the Continuing Education provider.
- A license is not required for students in health care professions who wish to sit for the examination and are applying via the diploma course pathway. However, ASTMH will hold the certificates of those who pass the examination until a copy of the unconditional, unrestricted license to practice has been received.

Institutions offering ASTMH-accredited diploma courses:

- Asian Clinical Tropical Medicine Course
- Baylor International Pediatric AIDS Initiative
- Bernhard Nocht Institute
- Gorgas Memorial Institute of Tropical and Preventive Medicine
- Charité University Medicine Berlin, Humboldt University and Free University Berlin
- Johns Hopkins University
- Liverpool School of Tropical Medicine
- London School of Hygiene and Tropical Medicine
- Mahidol University
- National School of Tropical Medicine at Baylor College of Medicine
- Prince Leopold Institute of Tropical Medicine
- Tulane University
- Uniformed Services University of the Health Sciences
- University of Minnesota/Centers for Disease Control and Prevention
- University of Texas Medical Branch at Galveston
- University of Virginia
- West Virginia University NOW ONLINE!

Cavitary lung lesions are seen in patients with tuberculosis and which of the following infections?

- (A) strongyloidiasis
- **B** paragonimiasis
- (C) ascariasis
- (D) filariasis

Practice Pathway

- Evidence of a minimum of five years of substantial, cumulative practice experience in the field
 of clinical tropical medicine following completion of residency training. Substantial practice
 experience is defined as at least 10 percent of total professional time devoted to clinical
 tropical medicine in at least two of the following areas:
 - 1. Assessment and management of illness in persons in, or returned from, the tropics.
 - 2. Diagnosis and treatment of infectious diseases.
 - 3. Health evaluation and treatment of tropical infectious diseases.
 - 4. Diagnosis and management of common parasitic infections.
 - 5. Pre-travel health advice. Time devoted to pre-travel health advice may be used to account for no more than one-half (5 percent total professional time) of the total time required for eligibility.
- For physicians, 30 documented hours of continuing medical education (American Medical Association Category I) in tropical and/or travel medicine within the five years prior to the application deadline. Include a copy of the certificate(s) of attendance issued by the CME provider.
- For nurses, 30 documented hours of continuing nursing education (Category 1) in a related field within the five years prior to the application deadline. Include copy of the certificate(s) of attendance issued by the CNE provider.

2. Demonstrate Clinical Experience in a Tropical Setting

All applicants for the CTropMed®, whether applying via the diploma or practice pathway, must have two months of clinical experience in a tropical setting. For physicians, overseas experience obtained during medical school may be used as long as the activities took place during the last part of medical school training and were meaningful to clinical tropical medicine and travelers' health training. If the two months' overseas experience has not been completed, one may still apply for the examination as long as the remaining criteria for the selected pathway is met. Upon passing the examination, ASTMH will hold certificates until documentation of two months' cumulative overseas experience is received by the Society.

3. Pass the Examination

For each overseas location, please format description as shown

Location: Cairo, Egypt

Institution: Naval Medical Research Unit-3

Duration: 8 Weeks

Dates: November – December 2010

Clinical Work: Infectious disease research, patient care, disease surveillance, etc.

Diagnoses Seen: Indicate diagnoses here

About the Examination

The examination design complies with the American Psychological Association's joint technical standards on testing and testing-industry standards.

To designate knowledge areas appropriate for testing in the examination, specialists and other experts in the fields of tropical medicine and travelers' health are surveyed. Their reports are used to develop specifications and content for the examination, an outline is provided on pages 11–13.

ASTMH offers the examination in even-numbered years prior to the ASTMH Annual Meeting. It consists of 200 multiple-choice questions, some of which are accompanied by diagrams or other images. Four hours are allowed to complete the examination. Each question contains four choices, with only one correct answer. The questions are developed and regularly reviewed by an ASTMH expert panel, with the assistance of Knapp and Associates International, Princeton, N.J., a firm that specializes in the development and administration of tests to measure professional competence.

Given the rapid changes in medical knowledge and scientific developments, ASTMH makes every reasonable effort to ensure that the examination reflects the current state of knowledge. However, it is important to note that no certificate program can guarantee medical competence, nor does this examination guarantee clinical competence.

The examination will be held **November 1, 2014, from 8:00 a.m. – Noon at the New Orleans Marriott, New Orleans, LA.**

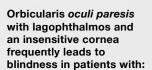
Applying for the Examination Non-Discrimination Policy

ASTMH does not discriminate against any person on the basis of age, gender, sexual orientation, race, religion, national origin, medical condition, physical disability, marital status or any other protected classification.

Special Testing Arrangements

The Society will make every reasonable effort to accommodate examination candidates who provide documented evidence of their specific testing arrangement need related to a disability. Candidates are asked to inform ASTMH of the needs in writing at least eight weeks prior to the scheduled examination.

Auxiliary aids and services will be provided if they do not present an undue burden to the Society, other test takers, the test environment and do not alter the measurement of knowledge that the examination is intended to test.



- (A) leprosy
- (B) vitamin A deficiency
- (C) diabetes
- (D) trachoma

NEW! — Online Application

All applications must be submitted online by July 30, 2014. Once the submission site closes, applications will no longer be accepted. **ASTMH is unable to pre-review qualifications for the examination.**

Submission Requirements:

- 1. Online application and application fee online if paying by credit card. Payment may be made by credit card (Visa, MasterCard, American Express or Discover), money order, check (certified or personal) or wire transfer. Checks must be in U.S. funds and drawn on a U.S. bank. Make checks payable to the American Society of Tropical Medicine and Hygiene or ASTMH. Payment must be received prior to the application being reviewed. *If paying by check, money order or wire transfer, applications are still submitted online but payment must be received before application will be reviewed.
- 2. Two recent, original, high resolution passport-size photographs with applicant's name printed on the front of both photos.
- 3. Copy of current professional health care license.
- 4. Description of the two months overseas experience, including institution name, location, dates, nature of clinical work and a description of common diagnoses seen at the facility (see example on page 4).
- 5. For diploma course pathway: documentation of successful completion of an accredited diploma course or for practice pathway: description of the clinical tropical medicine experience during a minimum of five years (limit of two pages).
- 6. For practice pathway: upload documentation of 30 hours of continuing medical or nursing education.

Helpful Tips:

- Applicants are not required to disclose their date of birth, or gender other than on a voluntary basis. The ASTMH Certificate Examination Committee seeks this information only for demographic purposes.
- 2. Please, do not upload transcripts or curriculum vitae
- 4. It is recommended that the applicant prints a copy of the completed application for their records.
- 5. Payment must accompany the application. A \$95 non-refundable fee is included in the application fee. If for any reason eligibility requirements are not met at the time of application, the fee, less \$95, will be returned.

countries. Includes all the same benefits as a regular member. Open to all citizens

and legal residents

of said countries.

\$25 regular member dues for low and

low-middle income

Join ASTMH

receive the member

and SAVE!

Join now and

rate for the

examination.

New for 2014!

If applicant is going to pay by check, mail the fee to:

Buffy Finn

Member Services Administrator

ASTMH Certificate Examination

111 Deer Lake Road, Suite 100

Deerfield, IL 60015 USA

For questions concerning the application procedure, contact Buffy Finn, Member Services Administrator, at bfinn@astmh.org, +1-847-480-9592, or fax +1-847-480-9282.

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If neither individuals nor population are treated, for how long must vector control be continued to eliminate onchocerciasis

- from a designated region?

 (A) Less than one year
 - B Five years
 - (C) 10 years
 - (D) More than 10 years

Approval to Take Examination

Applicants will receive two notices: 1) confirmation that they have met the requirements and 2) **approximately 30 days before the examination** the applicant will receive an admission document that contains:

- Admission to the examination
- Unique identification (ID) number
- Specific information about the date, time and location of the test center

Please retain the unique ID number. Applicants will need it when reporting for the examination, when completing the answer sheet, and later if there are any inquiries about test scores.

Contact Buffy Finn if:

- the admission document gets misplaced
- the applicant has not received the admission document 14 business days before the examination date

Test Center Procedures

1. All examinees must present the ASTMH-issued admission document and a government-issued photo identification (e.g., driver's license, passport) at the test location.

NO EXCEPTIONS TO THIS REQUIREMENT WILL BE MADE.

- 2. Due to the large number of examinees, please arrive at the test location approximately one hour prior to the testing time. Late arrivals (after 8 am) will not be admitted and the application fee will not be refunded.
- 3. Books, paper, notes and devices with memory capabilities: iPads, computers, notebooks and laptops, are not permitted in the testing room.
- 4. All cell phones must be turned off during the examination.
- 5. Examinees have four hours to complete the examination.
- 6. Unauthorized visitors will not be allowed at the test location.
- 7. Trained proctors supervise the administration of the examination and maintain strict security throughout the testing period. Irregularities observed during the testing period, such as creating a disturbance, the perception of giving or receiving information or aid to or from other examinees, or attempting to remove test materials or notes from the test location, may be sufficient cause to terminate examinee participation or to invalidate or cancel scores. Irregularities may be identified by observation or suspicion by the examination proctors or may be evidenced by subsequent statistical analysis of testing materials. ASTMH reserves the right to investigate each incident of misconduct or irregularity.
- 8. Food and beverages are not allowed in the test location before, during or after.



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Scoring

The passing score for the CTropMed® is set by a national panel of experts in tropical medicine and travelers' health. Each examination question is reviewed by each expert. An informed judgment is made as to what percentage of minimally competent tropical medicine specialists would answer each question correctly. This deliberative and thoughtful process establishes a minimum level of knowledge expected of passing candidates. The judgments made by the expert panel are subjected to statistical analyses that yield a passing score approved by the ASTMH Certificate Examination Committee.

The passing score is based on an expected level of knowledge; it is not related to the distribution of scores obtained during a particular administration of the examination. In any given year an examinee has the same chance of passing the examination whether those taking the examination at that time tend to have high scores or low scores. Each examinee is measured against a standard of knowledge, not against the performance of the other individuals taking the examination.

Excluding underlying diseases, the most common cause of death for United States citizens traveling to tropical countries is:

- (A) malaria
- **B** typhoid fever
- (C) accidental injury
- (D) homicide

Examination Results

ASTMH will notify examinees approximately 12 weeks after the examination. Results will not be given by phone.

Given that the examination is designed as a minimum professional competency test and not intended to distinguish between scores achieved above the passing point, no numeric scores will be reported to examinees who pass. Examinees who do not meet the minimum competency level will receive their score and the minimum passing score and an analysis of their test results showing subject areas needing strengthening.

For the purpose of scoring the examination and any subsequent discussions regarding the scores of individual examinees, each examinee will be assigned and identified by a number. No names will be linked with these numbers at any time.

Special Circumstances Retaking the Examination

There is no limit on the number of times one may apply for and retake the examination. However, if an examinee does not pass after three attempts, he or she will be required to show proof of courses or seminars taken to remedy areas needing strengthening. A new application form and all applicable fees are required for each re-examination application.



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Appeals and Request for Hand Scoring

Examinees who do not pass the examination may request a hand re-scoring to verify reported scores. Requests must be in writing and accompanied by a check in the amount of \$65 made payable to ASTMH. Requests for hand scoring must be made within 30 days of the candidate's receipt of the examination score. The results of the hand scoring will be considered the final examination results. Please allow 2-3 weeks for hand scoring results.

Request to Nullify

If the examinee does not want his or her test scored, two options are available:

- 1. Before leaving the test location, inform the test proctor that you wish to cancel your test and then complete and sign a score cancellation form.
- 2. On or before November 5, 2014, contact <u>Buffy Finn</u> requesting cancellation of examination. This request (postal mail, email, fax, overnight delivery) must be signed by the examinee and received within one week of the examination date. It is the examinee's responsibility to confirm that this request is received by ASTMH.

A canceled test will not be scored or reported to the examinee or ASTMH, nor will Knapp and Associates keep a record of examination results. No refunds will be issued due to test cancellations. To retake the examination after a test cancellation, a new application and fee are required.

Inability to Sit for the Examination

In the event an examinee is found ineligible or does not sit for the examination for which he/she is eligible, a refund of the examination fee less the \$95 non-refundable application fee may be requested within 30 days following the test. Future applications will need to meet all required fees and eligibility criteria.

Receiving the CTropMed®

Examinees passing the examination and fulfilling all requirements will be allowed—by law—to designate that they have "Received a CTropMed®" and will receive a certificate. Examinees passing the examination but not meeting all requirements will have their certificate held until all requirements are fulfilled. During this interim period, the examinee must not list or indicate in any way that he or she has "Received the CTropMed®."

The most frequently identified pathogen in tropical pyomyositis is:

- A a Gram-negative organism
- B Staphylococcus aureus
- C Streptococcus pyogenes
- D the pneumococcus



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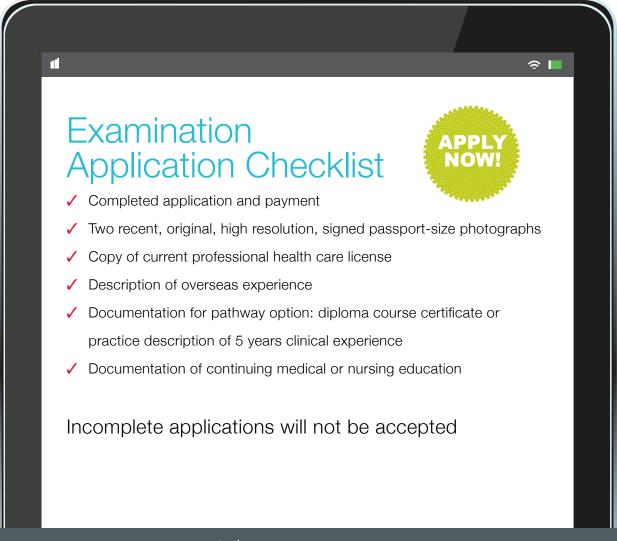
Prepare for the Examination – Intensive Update Course

Attend the ASTMH-developed Intensive Update Course in Clinical Tropical Medicine and Travelers' Health, October 6-7, 2014, Pennsylvania Convention Center in Philadelphia, Pennsylvania.

A review and update of the essential components of tropical medicine and travelers' health, this two-day condensed course provides a broad overview of core topics in clinical tropical medicine and travelers' health. It is designed for all health care providers working in tropical medicine or travelers' health and for those planning to take the ASTMH certificate examination. For more information on the Update Course, visit the ASTMH website.

Prepare for the Examination – Attend the Intensive Update Course

October 6-7, 2014 Pennsylvania Convention Center Philadelphia, Pennsylvania





The instructions included in a medical kit for travel should remind the user to

A Doxycycline and bismuth

subsalicylate

B Loperamide and ciprofloxacin

(C) Acetaminophen

and mefloquine

D Diphenhydramine,

trimethoprim and sulfamethoxazole

avoid taking which of the following combinations

of drugs?

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Examination Study Guide

- Carefully review the examination outline. The approximate percentage of the total examination allotted to each major content area is indicated in parentheses.
- Answering the provided sample questions on pages 14-15 will help familiarize you with the nature and format of the questions on the examination.
- The references provided on page 16 may be helpful in your preparation. This list is not intended to be exhaustive.

Examination Outline

Eight major content areas are covered in the examination.

Basic Science and Fundamentals (5%)

- Immunology
- Vaccinology
- Epidemiology and statistics

- Pharmacology
- Nutrition

Infectious Diseases (34%)

- Taxonomy
- Life cycles
- Epidemiology
- Pathology and pathogenesis

- Differential diagnosis
- Clinical manifestations
- Treatment and prevention

Intestinal Protozoa

- Amebiasis, giardiasis
- Infections due to coccidia, D. fragilis, nonpathogenic protozoa

Blood and Tissue Protozoa

- Malaria
- Leishmaniasis, trypanosomiasis
- Toxoplasmosis, pneumocystosis, infection with free-living amoebae

Nematodes

- Intestinal roundworm infections
- Filarial infections
- Larva migrans, dracunculiasis, trichinosis, anisakiasis, gnathostomiasis, angiostrongyliasis

Cestodes

Intestinal and larval cestode infections



Diagnosis and treatment of infected persons is an

interrupting transmission

(B) Mediterranean

leishmaniasis

(D) Chagas' disease

trypanosomiasis

visceral

C Gambian

important means of

due to which

of the following?

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Trematodes

- Schistosomiasis
- Intestinal and liver fluke infections
- Paragonimiasis

Diseases Caused by Bacteria

- Typhoid fever and bacterial diarrheal syndromes
- Tuberculosis, including drug resistant tuberculosis, and leprosy
- Sexually transmitted diseases
- Tetanus, diphtheria, anthrax, plague
- Others (plague, brucellosis, etc.)
- Rickettsial and ehrlichial infections
- Leptospirosis
- Neisseria meningitides and bacterial meningitis agents

A American cutaneous leishmaniasis Diseases Caused by Fungi

- Deep mycosis
- Mycetoma

Opportunistic mycoses

Diseases Caused by Viruses

- HIV and HTLV-1
- Hepatitis
- Dengue, yellow fever
- Other arboviral infections and viral hemorrhagic fevers
- Respiratory infections, including avian influenza
- Rotavirus infection and other viral causes of diarrhea
- Polio and measles in developing countries
- Smallpox
- Rabies
- Encephalitic viruses

Other Diseases and Conditions (6%)

- Nutritional disorders (principles, infection and nutrition, malnutrition, vitamin and mineral deficiencies)
- Environmental stress (heat, cold, barometric stress)
- Ectoparasites, poisonous plants and animals

Diagnostic and Therapeutic Approach to Clinical Syndromes (15%)

- Undifferentiated fever, eosinophilia, hepatosplenomegaly, etc.
- Tropical dermatology
- Tropical hematology
- Mental health in the tropics
- Tropical gastroenterology
- Tropical surgery, oncology

- Tropical neurology, cardiology, radiology, ophthalmology
- Urologic symptoms
- Radiologic diagnosis
- Manifestations of infection with agents of bioterrorism

Travelers' Health (18%)

- Clinical epidemiology of diseases of travelers, migrants and immigrants
- Pre-travel risk assessment
- Available vaccines
- In-travel prevention

- Special needs travelers
- Air travel and medical care abroad
- Post-travel evaluation and management
- Cultural considerations

Public Health in the Tropics (7%)

- Maternal child health, breastfeeding
- Preventable illness children and adults
- Chronic diseases and disability
- Water supply/waste water management
- Sanitation
- Community approaches to primary health care
- Essential drugs

Epidemiology and Control of Disease (5%)

- Investigation and control of epidemics, disasters, international emergencies
- Principles of surveillance
- Disease control and implementation of strategies
- Biosafety: containment of current pathogens and emerging pathogens

Laboratory Diagnosis (10%)

- Microscopic identification of protozoa and helminths
- Laboratory techniques for identification of parasites
- Macroscopic identification of common helminths and arthropods
- Techniques for identifying bacteria, fungi, viruses
- Interpretation of serologic tests
- Routine procedures
- Molecular diagnosis



Check the ASTMH website for the most up-to-date CTropMed® information.



Sample Questions

Each question has only one correct answer.

- Cavitary lung lesions are seen in patients with tuberculosis and which of the following infections?
 - (A) strongyloidiasis
 - (B) paragonimiasis
 - (C) ascariasis
 - (D) filariasis
- 2. Which of the following is characteristic of helminths that infect human beings?
 - (A) They usually do not multiply in the host.
 - (B) They rarely provoke an eosinophilia.
 - (C) They cause severe disease after infection with only a few parasites.
 - (D) They typically cause lifelong infections.
- Orbicularis oculi paresis with lagophthalmos and an insensitive cornea frequently leads to blindness in patients with:
 - (A) leprosy
 - (B) vitamin A deficiency
 - (C) diabetes
 - (D) trachoma
- 4. The most frequently identified pathogen in tropical pyomyositis is:
 - (A) a Gram-negative organism
 - (B) Staphylococcus aureus
 - (C) Streptococcus pyogenes
 - (D) the pneumococcus
- 5. A 40-year-old patient returns from a trip to Thailand with a four-day history of fever and a one-day history of hallucinations and bloody diarrhea. The temperature is 39°C; the rest of the physical examination is normal. A thick blood film reveals that 6% of erythrocytes are parasitized with Plasmodium falciparum. Appropriate initial management includes;
 - (A) intravenous artesunate
 - (B) oral mefloquine
 - (C) oral chloroquine and pyrimethaminesulfadoxine
 - (D) oral quinine and doxycycline

- 6. In a case-control (retrospective) study, an odds ratio of 1.3 was found for the association between exposure X and disease Y (p < 0.001). Having the combination of this odds ratio and p-value indicates that:
 - (A) the association is very strong
 - (B) the association is likely to be causal
 - (C) a confounding factor is unlikely to account for the association
 - (D) the study in which the association was found is large
- 7. Which of the following is the most appropriate advice for preventing acute mountain sickness?
 - (A) Take acetazolamide beginning with onset of symptoms.
 - (B) Keep fluid intake low enough to prevent pulmonary and cerebral edema.
 - (C) Spend two to three nights at 2500 to 3000 meters before going higher.
 - (D) Rest in place at onset of symptoms and breathe emergency oxygen, if available.
- 8. Excluding underlying diseases, the most common cause of death for United States citizens traveling to tropical countries is:
 - (A) malaria
 - (B) typhoid fever
 - (C) accidental injury
 - (D) homicide

Sample Questions (cont.)

Each question has only one correct answer.

- 9. A 25-year-old male presents with a three-day history of numbness and tingling in his right hand. One day preceding the development of these symptoms, he noted non-pruritic swelling of his entire forearm that lasted 36 hours and resolved spontaneously. Although he has been living in the United States for the past year, he spent the previous two years in rural Gabon, West Africa. Neurological evaluation and physical examination are significant only for decreased sensation in a glove-like distribution of the right hand. Which of the following is most likely to lead to the correct diagnosis?
 - (A) Skin snips
 - (B) C1 inhibitor levels
 - (C) Antifilarial antibody levels
 - (D) Giemsa-stained smears of blood drawn at night
- 10. An adult presents with acute diarrhea and a temperature of 38.6°C two days after returning from a trip to Mexico. Which of the following is the most appropriate initial step?
 - (A) Culture of a fecal specimen for Entamoeba histolytica.
 - (B) Examine a stool specimen for leukocytes and presence of blood.
 - (C) Obtain a stool culture for enteropathogenic Escherichia coli.
 - (D) Treat with metronidazole for possible amebiasis or giardiasis.
- 11. The instructions included in a medical kit for travel should remind the user to avoid taking which of the following combinations of drugs?
 - (A) Doxycycline and bismuth subsalicylate
 - (B) Loperamide and ciprofloxacin
 - (C) Acetaminophen and mefloquine
 - (D) Diphenhydramine, trimethoprim and sulfamethoxazole

- 12. Which of the following is the most sensitive test for suspected chronic Chagas' disease?
 - (A) Serologic test for antibodies to Trypanosoma cruzi
 - (B) Culture of blood on LIT (liver infusion tryptose) medium
 - (C) Xenodiagnosis using 40 third-instar nymphs of Triatoma infestans
 - (D) Microscopic examination of peripheralblood for trypomastigotes
- 13. If neither individuals nor population are treated, for how long must vector control be continued to eliminate onchocerciasis from a designated region?
 - (A) Less than one year
 - (B) Five years
 - (C) 10 years
 - (D) More than 10 years
- 14. Diagnosis and treatment of infected persons is an important means of interrupting transmission due to which of the following?
 - (A) American cutaneous leishmaniasis
 - (B) Mediterranean visceral leishmaniasis
 - (C) Gambian trypanosomiasis
 - (D) Chagas' disease

Answers:

1. (B), 2. (A), 3. (A), 4. (B), 5. (A), 6. (D), 7. (C), 8. (C), 9. (C), 10. (B), 11. (A), 12. (A), 13. (D), 14. (C)

References

This list is provided as a study aid only. ASTMH does not imply endorsement of these references, nor are test questions necessarily taken from these sources.

Texts:

Atlas of Human Parasitology. 5th ed. Ash LR, Orihel TC. Chicago: ASCP Press, 2007.

Color Atlas of Tropical Medicine and Parasitology: Text with CD ROM. Peters W, Pasvol G. Mosby, 2006.

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Tropical Infectious Diseases: Principles, Pathogens & Practice. 2nd ed. Guerrant RL, Walker DH, Weller PF. Churchill Livingstone, 2006.

Tropical Medicine and Parasitology. 5th ed. Peters W, Pasvol G. London: Mosby, 2002.

Wilderness Medicine. Management of Wilderness and Environmental Emergencies. 5th ed. Auerbach PS. St. Louis, MO. Mosby, 2007.

Journals:

Advances in Parasitology

American Journal of Tropical Medicine and Hygiene

Bulletin of the Pan American Health Organization

Bulletin of the World Health Organization

Clinical Infectious Diseases

Emerging Infectious Diseases

Infectious Disease Clinics of North America

International Journal of Infectious Disease

Journal of Infectious Diseases

Journal of Travel Medicine

Journal of Travel Medicine and Infectious Diseases

Morbidity and Mortality Weekly Report

Transactions of the Royal Society of Tropical Medicine and Hygiene

Trends in Parasitology

Tropical Medicine and International Health

Online Resources:

Centers for Disease Control and Prevention -

www.cdc.gov; multiple tropical medicine topics, including:

- Travelers' Health http://www.cdc.gov/travel/default.aspx
- HIV/AIDS Guidelines http://www.cdc.gov/hiv/resources/guidelines/index.htm
- Tuberculosis Guidelines http://www.cdc.gov/tb/pubs/mmwr/maj_guide.htm
- Malaria Guidelines http://www.cdc.gov/malaria/

World Health Organization -

www.who.int; multiple health topics, including:

- International Health Regulations http://www.who.int/csr/ihr/en/index.html
- Travelers' Health http://www.who.int/ith/en/index.html
- HIV/AIDS Guidelines http://www.who.int/hiv/pub/guidelines/en/
- Tuberculosis Guidelines http://www.who.int/tb/publications/en/index.html
- Malaria http://www.who.int/topics/malaria/en/

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