

26781 - Tropical Parasitic Diseases

Syllabus Information

Academic year: 2024/25

Subject: 26781 - Tropical Parasitic Diseases

Faculty / School: 104 - Facultad de Medicina

Degree: 304 - Degree in Medicine

ECTS: 4.0

Year: 5

Semester: First semester

Subject type: Optional

Module:

1. General information

The objective of this elective subject is to provide knowledge and skills in the management of the epidemiology, clinical manifestations, diagnosis, treatment and prevention and control measures of tropical parasitic diseases. This knowledge is useful for working with travelers, in endemic areas and for adapting to the consequences of climate change.

This subject is aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 () (<https://www.un.org/sustainabledevelopment/es/>) Goal 1: End of poverty. Goal 3: Health and wellness. Goal 4: Quality Education.

2. Learning results

In order to pass this subject, the students must demonstrate that they have acquired the following outcomes:

- Relate the clinical manifestations in the patient with the parasite capable of causing them.
- Understand the laboratory tests required to confirm the diagnosis of a parasitic disease.
- Interpret the results provided by the laboratory in order to establish the appropriate treatment.
- Implement appropriate prophylactic measures to prevent the spread of parasitic infections.
- Utilize specific databases to search for related scientific literature, and demonstrate their ability to critically evaluate such literature.

3. Syllabus

TOPIC 1. Basic concepts

TOPIC 2. Intestinal nematodes.

TOPIC 3. Trichinellosis.

TOPIC 4. Visceral and cutaneous larva migrans. Anisakiasis.

TOPIC 5. Dracunculiasis. Filariasis.

TOPIC 6. Abdominal angiostrongylosis. Eosinophilic meningitis.

TOPIC 7. Intestinal cestodiasis.

TOPIC 8. Larval cestodiasis.

TOPIC 9. Trematodiasis.

TOPIC 10. Schistosomiasis.

TOPIC 11. Amebiasis. Blastocystiasis.

TOPIC 12. Balantidiasis.

TOPIC 13. Giardiasis. Dientamoebiasis.

TOPIC 14. Coccidiosis

TOPIC 15. Trichomoniasis.

TOPIC 16. Malaria.

TOPIC 17. African and American Trypanosomiasis.

TOPIC 18. Leishmaniasis.

TOPIC 19. Toxoplasmosis.

TOPIC 20. Diseases caused by free-living amoebae.

TOPIC 21. Diseases caused by arthropods

The program is completed with seminars and laboratory practices

4. Academic activities

- Participative master class (25 classroom hours): theoretical foundations.
- Practical Classes (15 classroom hours): Laboratory practice with visualization of parasitic forms.

Students will be informed about the risks involved in the practices and the actions to be taken in case of accident. They will also sign the commitment with the work and safety rules in order to be able to perform the practices (<http://uprl.unizar.es/estudiantes.html>)

- Seminars (1.5 classroom hours): Case resolution, film viewing and discussion, games.
- Tutoring: Resolution of doubts by e-mail, on-line (ADD), telephone, or in person.
- In the ADD (Moodle Platform), students will find didactic support materials.

5. Assessment system

- Theoretical-practical written test: There will be two tests with short questions, one in the middle of the term and one at the end. Passing these tests eliminates subject matter. and it is necessary to pass both tests to pass the subject. Those who do not pass them may take a final exam for the entire subject. The grade obtained in this test will represent 60% of the final grade of the subject.
- Evaluation of practices and seminars. Attendance will be mandatory and the activities conducted in class, as well as the resolution of a practical case study in groups, will be evaluated. This grade will represent 40% of the final grade.
- Students who so wish, may opt for a global final test to assess the achievement of the learning objectives outlined in the subject, which will include practical cases and short questions.
- EVALUATION: Grades
 - Fail (0-4.9): 0-49%
 - Pass (5 - 6.9): 50-69%
 - Notable (7 - 8,9): 70-89%
 - Outstanding (9-10): 90-100%

6. Sustainable Development Goals

- 1 - End of Poverty
- 3 - Good Health & Well-Being
- 4 - Quality Education