

26781 - Tropical Parasitic Diseases

Syllabus Information

Academic year: 2023/24

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

This elective aims to provide students with knowledge and skills in tropical parasitology, regarding the epidemiology of tropical diseases, their clinical manifestations, diagnosis, treatment and prevention and control measures. It provides the knowledge and skills necessary to work with travellers and in an endemic area.

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 2: Zero hunger. Goal 3: Health and wellness. Goal 4: Quality Education. - Goal 5: Gender equality. - Goal 6: Clean water and sanitation.

Goal 10: Reduction of inequalities Goal 11: Sustainable Cities and Communities Goal 13: Action for the climate. Goal 15: Life of terrestrial ecosystems

2. Learning results

In order to pass this subject, the students shall demonstrate they has acquired the following results:

- Relate the clinical manifestations in the patient with the parasite capable of producing them.
- Know the laboratory tests to confirm the diagnosis of a parasitic disease.
- Interpret the results sent by the laboratory to establish the appropriate treatment.
- Adopt appropriate prophylactic measures to prevent the spread of parasitosis.
- Use specific databases for the search of related scientific bibliography, as well as their ability to critically use such bibliography.

3. Syllabus

TOPIC 1. Basic concepts

TOPIC 2. Intestinal nematodes.

TOPIC 3. Trichinellosis.

TOPIC 4. Visceral and cutaneous larva migrans. Anisakidosis.

TOPIC 5. Dracunculiasis. Filariasis.

TOPIC 6. Abdominal angiostrongylosis. Eosinophilic meningitis.

TOPIC 7. Intestinal cestodosis.

TOPIC 8. Larval cestodosis.

TOPIC 9. Trematodosis.

TOPIC 10. Schistosomiasis.

TOPIC 11. Amebosis. Blastocystitis.

TOPIC 12. Balantidiosis.

TOPIC 13. Giardiosis. Dientamoebosis.

TOPIC 14. Coccidiosis

TOPIC 15. Trichomonosis.

TOPIC 16. Malaria.

TOPIC 17. African and American Trypanosomosis.

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.

The students will be informed about the risks involved in the practices and the actions to be taken in case of accident, and will 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 carried out in class and the resolution of a practical case study in group will be evaluated. This grade will represent 40% of the grade for the subject.
- Students who so wish, may opt for a global final test to assess the achievement of the learning objectives foreseen in the subject, which will contain 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%