

CLINICAL IMMUNOLOGY IN COMPANION ANIMALS

Study Cycle: IMVM **Academic Year:** 4^o **Semester:** 8^o **Optional** **ECTS:** 2,5

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1. Contact hours: Theoretical - 20; Practical - 6; Assessment - 2

2. Objectives:

The student should study systemic diseases that can cause hypersensitivity, immunodeficiency, and autoimmune disease.

Understand the etiopathogenesis of these diseases and recognize their clinical signs.

Evaluate the general condition of the animal and the severity of the symptoms.

Know how to conduct a clinical examination and recognize healthy and pathological states.

3. Syllabus:

Theoretical Teaching:

Module A – Basic Immunology, Immunopathological Mechanisms, and Autoimmune Disease.

Module B – Immune-Mediated Ocular Diseases

Module C – Immune-Mediated Skin and Multisystemic Diseases

Module D – Immune-Mediated Hematologic Diseases

Module E – Immune-Mediated Musculoskeletal and Neurological Diseases

Module F – Neoplasms of the Hemolymphopoietic System

Module G – Immune-Mediated Reproductive and Renal Diseases

Module H – Immune-Mediated Respiratory and Cardiac Diseases

Module I – Immunodeficiency

Module J – Immune-Mediated Digestive and Endocrine Diseases

Module K – Immunotherapy

Practical Teaching:

Module L – Presentation and discussion of clinical cases

4. References:

Copies of the files/slides presented in classes, scientific and technical articles

Tizard, I.A., 2022. In: Autoimmune Diseases in Domestic Animals. 1th ed, Elsevier Inc., eBook ISBN: 9780323848145. Published June 5, 2022.

Tizard, I.A., 2022. In: Allergies and Hypersensitivity Disease in Animals. 1th ed, Elsevier Inc., eBook ISBN: 9780323763936. Published May 1, 2022.

Day, M.J., 2011. In: Clinical Immunology of the Dog and Cat 2th ed, Elsevier Inc., eBook ISBN: 9781840761719. Published Nov 28, 2011.

5. Assessment:

A written exam (60%) in which all taught subjects will be assessed, including quick response questions (multiple choice, true or false, and fill-in-the-blank), and a group assignment (40%) that includes the presentation and argumentation of a clinical case and its discussion by the students.