



Course title: CARDIOLOGY OF DOGS AND CATS

ECTS credit allocation (and other scores):

Semester: autumn

Level of study: ISCED-7- long-cycle programmes (EQF-7)

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 15

Course coordinator/ Department and e-mail: dr wet. Małgorzata Kander/Department of Clinical Diagnostic,
malgorzata.kander@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Cardiological examination - examination of the heart (viewing, palpation, auscultation) and the vascular system. Performing an ekg recording and self-interpretation - presenting an ekg recording and interpretation
Ultrasound examination of the heart. Independent work with a cardiological patient.

LECTURES: Cardiological clinical trial plan - cardiological history, viewing, palpation, tapping and auscultation - cardiac tones and murmurs. Additional cardiovascular tests - x-ray, ekg and ultrasound - preparing the patient for additional tests, indications for execution. Interpretation of ekg and x-ray notation - detailed interpretation of individual cases. Functional tests of the circulatory system - a test of cardiac excitability, auscultation test, a chase test.

Learning purpose: The lectures are aimed at familiarizing the student with the management of a cardiological patient, additional tests available in veterinary cardiology. The student should distinguish between basic cardiological diseases. Exercises shape the skill of practical performance of additional tests most often used in cardiological patients (blood biochemistry, ECG, pulse oximeter, cardiomonitor, Holter), interpretation of results and further treatment.

On completion of the study programme the graduate will gain:

Knowledge: The student should acquire knowledge in the field of diagnosis of dogs and cats cardiological diseases. Should select appropriate additional tests for specific cardiological disorders. Should define and identify cardiac symptoms and summarize the results of the tests.

Skills: The student has the ability to use the basic methods and methods of cardiological examination. He should be able to prepare the patient for tests, perform an ECG, connect a pulse oximeter, Holter, cardiomonitor, measure blood pressure. The student should be able to pre-interpret the results of clinical and additional tests used in cardiac patients.

Social Competencies: The student should be aware of how to deal with a cardiac patient. Should creatively implement additional tests (ECG, ultrasound, biochemical tests, pulse oximeter, cardiac monitor, Holter, blood pressure measurement) in future work with a cardiac patient and have the ability to self-assess the results. Should work with the patient's owner.

Basic literature:

Martin M., Corcoran B. 2000: Choroby układu krążenia i oddechowego psów i kotów. Wydawnictwo SIMA WLW

Martin M. 2005: Ekg u małych zwierząt. Wydawnictwo SIMA WLW

Pasławska U., Kurski B. 2008; Praktyczna elektrokartografia małych zwierząt (atlas) . REXAN Agencja Reklamowa

Tilley L., Smith F., Oyama M., Sleeper M., 2011; Manual of Canine and Feline Cardiology, Elsevier

Supplementary literature:

Tilley L.P.1999: Essentials of canine and feline electrocardiography. Lippincott Williams&Wilkins

Wagner G. S.1999: Elektrokardiografia praktyczna. Wydawnictwo medyczne Urban&Partner

Niemand H.G., Suter P.F. 2003: Praktyka kliniczna: psy. Rozdz. Choroby serca, Galaktyka , Łódź

Horzinek M,C., Smidt V., Lutz H.2003: Praktyka kliniczna: koty. Rozdz. Choroby serca, Galaktyka , Łódź

The allocated number of ECTS points consists of: 1,5

Contact hours with an academic teacher: Monday 10.00-12.00

Student's independent work: 9