

Diseases of exotic and ZOO animals
winter semester, academic year 2011/2012
5th year - GVM
Tutor: Ladislav Molnár, DVM, PhD.

Topics

Lecture:

Breeding and nutrition of small mammals. Disorders caused by incorrect nutrition and inadequate housing, principles of feeding and prevention of diseases.

Practice:

Clinical examination methods of small mammals, restraint, blood withdrawal, collection of biological material, interpretation of results. Patient presentation.

Lecture:

The most common internal and infectious diseases in small mammals, diseases of skin, respiratory and gastrointestinal tract.

Practice:

Medicaments and therapeutics and their administration.

Lecture:

The most common diagnostic and surgical procedures and their application in small mammals (X-ray, USG, sterilization ...).

Practice:

Anesthesia, malocclusion, tumors, reproduction control. Patient presentation.

Lecture:

Taxonomy, biology, principles of breeding and nutrition of exotic birds. Disorders caused by incorrect nutrition. Behavioral disorders.

Practice:

Clinical examination methods of exotic birds, restraint, diagnostic techniques, blood withdrawal, collection of biological material, interpretation of results.

Lecture:

Veterinary problems in breeding of exotic birds, categorization of diseases by organs, prevention a diagnostic of infectious diseases.

Practice:

Medicaments used in avian practice and their administration, therapy of intoxications and behavioral modification methods.

Lecture:

Surgical methods in avian medicine, anesthesia and first aid, reproduction and reproduction disorders, diseases during nursing cubs.

Practice:

Imaging procedures in diagnostic of avian diseases, endoscopy, interpretation X-rays and ultrasonography in avian medicine – clinical case reports.

Lecture:

The most common breeding species of reptiles, basics of breeding, anatomical and physiological specifics of reptiles in relation to morbidity.

Practice:

Manipulation and restraint with reptiles, collection of samples.

Lecture:

Diseases caused by breeding failures, poor nutrition, poor breeding conditions, examination of animals with reproduction problems, drug administration in reptiles.

Practice:

Diagnostic dissection, parasitological and hematological examination of samples.

Lecture:

The most common surgical intervention, dystocia (traumas, enterotomy and endoscopy).

Practice:

Clinical case reports of reptile's diseases X-rays taking, USG and endoscopy.

Lecture:

Diseases and traumas of free living birds.

Practice:

Veterinary approach to injured and weakened free living birds, supportive therapy, surgical techniques in cases of trauma.

Lecture:

Categorization of ZOO animals and specific demands in relation to morbidity.

Practice:

Diseases of ungulates in ZOO gardens.

Lecture:

Anesthesia and immobilization, principles of capture, transport and manipulation with ZOO animals.

Practice:

Diseases of carnivores in ZOO gardens.

Final credits.

Lecture:

Prevention of infectious diseases, vaccination and health control in ZOO.

Practice:

Tropical animal's diseases, veterinary care in thermal insulation houses - terrariums.

Final credits.