

Training of learning afferent to SSD Vet 10

Objectives: this didactic module, integrated with the other training modules of the clinical training in the applicable didactic plan, has the objective to assure that the student is able to properly manage a clinical case.

Particularly, this training module aims to assure that the student **is able to:**

- **“Cross” abilities and competences** (Judgment autonomy; Communicative ability; Learning ability):
 1. communicate with animal’s owner
 2. interaction and communication with the medical staff
 3. adequately collect the patient case history
 4. write up a medical report and draft a medical record
 5. write a prescription
 6. understand and apply an operative standard procedure
 7. use technological instruments to obtain, elaborate, share and communicate scientific and health information
 8. know the items of an invoice for one or more health services
 9. know the administrative and legal fulfillments of the profession (drug management, subscription to the Association of Veterinary Doctors)

- **Hands-on professionalizing abilities:** (Knowledge and applied comprehension capability)

Common abilities for different animal species

1. properly approach and restrain an animal reducing the risks for the operator and the stress to the patient
2. perform an adequate triage in a subject referred for a clinical emergency
3. manage the aspects related to a first aid patient coming in an emergency condition
4. perform an adequate and complete general physical examination
5. perform an in-depth physical examination (physical examination of an apparatus) when required based on the highlighted problems
6. analyze the data obtained from the history and from the physical examination and summarize them in a list of diagnostic differential hypotheses
7. sketch out an adequate diagnostic protocol on the basis of the list of diagnostic differential hypotheses
8. analyze the results of the diagnostic protocol (laboratory and imaging investigations) in order to formulate, when possible, a definitive diagnosis, a therapy, and a prognosis
9. administer drugs using proper way and dosages
10. Collect, process, store, transport and send in a proper way most common biological samples (blood, feces, urine, skin scraping)
11. Recognize the suitability of a biological sample in relation to the requested analysis

Specific abilities – companion animals:

1. Properly manage an obstetric, gynecologic, and andrologic clinical case

2. Perform a colpo-cytological exam and/or semen evaluation
3. Assist the surgeon in the operating room
4. Interpret an ultrasound exam of the female genital tract
5. Interpret an ultrasound exam of the male genital tract

Specific abilities – farm animals and horse:

1. Properly manage an obstetric, gynecologic, and andrologic clinical case;
2. Properly manage a neonatal clinical case;
3. Perform a gynecological exam;
4. Perform and interpret an ultrasound exam of the female genital tract;
5. Perform a semen collection
6. Perform a semen evaluation
7. Assist a female during *peripartum*
8. Perform and interpret an ultrasound exam of a pregnant female
9. Perform a neonatal exam
10. Monitor the healthy neonate
11. Monitor and assist the sick neonate

SYLLABUS

Themes and acquired competences	Topics	Specific contents
Ability to properly manage the communication with the owners and colleagues	Filling of the medical record – Case history collection and interaction with the owner during the medical examination	Case history collection
		Communication with the owner about the outcome of the visit and the diagnostic procedures more suitable for a proper diagnosis
		Communication of the outcomes of the diagnostic procedure with particular attention to the therapeutic and prognostic implications
		Compilation of a medical record and/or update of the computer system. Compilation of the fee invoice
Ability to properly manage a common obstetric, gynecologic, and andrologic clinical case	Execution of the medical examination and formulation of the clinical diagnostic differential hypotheses	Execution of the physical examination of the reproductive tract of a patient referred to the OVU
		Evaluation of the various diagnostic differential hypotheses, formulation of the diagnosis and preparation of a therapeutic protocol
	Execution and interpretation of an	Execution of an ultrasound exam of the genital tract

	ultrasound exam of the genital tract	Interpretation of the executed ultrasound exam and discussion of the possible diagnostic differential hypotheses
Ability to properly manage a common obstetric-neonatal clinical case	Execution and interpretation of an ultrasound exam of pregnant female	Execution of an ultrasound exam of a pregnant female
		Interpretation of the executed ultrasound exam and discussion of the possible diagnostic differential hypotheses
	Execution of the neonatal exam and formulation of the clinical diagnostic differential hypotheses	Execution of the physical exam of a neonate referred to the OVU
		Evaluation of the various diagnostic differential hypotheses, formulation of the diagnosis and of a therapeutic protocol
Ability to do/assist during a basic obstetric, gynecologic, and andrologic procedure	Execution of basic reproduction procedures	Preparation of the necessary instruments for a semen collection
		Participation to the semen collection and handling
		Execution of a vaginal exam
	Assistance to the surgeon during basic reproductive surgery	Preparation of the patient and of the surgical field
		Uterine suture on anatomical organs
		Assistance to the surgeon in the operating room
Ability to do/assist during a basic neonatal procedure	Execution of basic procedures	Preparation of the necessary instruments for the assistance at birth and for the monitoring of the neonate
		Participation to the assistance of the healthy and sick neonate
Ability to do/interpret a reproduction laboratory exam	Evaluation of a semen sample and/or interpretation of a colpo-cytological exam	Preparation and staining of the sample
		Determination of the estrous cycle stage / macro and microscopic evaluation of the characteristics of the sperm

Topics are subject to variations imposed from the real clinical cases afferent to the Services of the Department of Veterinary Medical Sciences.