

<p>This teaching module provides the following elements, which are useful for achieving <b>EAEVE Day One Competences</b></p>	
1.4	<p><b>Promote, monitor and contribute to maintaining health and safety of oneself, patients, clients, colleagues and the environment in the veterinary setting; demonstrate knowledge about the principles of quality assurance; apply principles of risk management in practice.</b></p>
1.5	<p><b>Communicate effectively with clients, the public, professional colleagues and responsible authorities, using language appropriate to the audience concerned and in full respect of confidentiality and privacy.</b></p>
1.6	<p><b>Implement principles of effective interpersonal interaction, including communication, leadership, management, team working, mutual respect and other soft skills.</b></p>
1.7	<p><b>Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences.</b></p>
1.8	<p><b>Work effectively as a member of a multidisciplinary team in the delivery of services and recognise the contribution of all team members.</b></p>
1.9	<p><b>Be able to review and evaluate literature and presentations critically.</b></p>
1.10	<p><b>Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</b></p>
1.11	<p><b>Demonstrate ability to critically analyse evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts.</b></p>
1.12	<p><b>Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</b></p>
1.13	<p><b>Demonstrate the ability to recognise personal and professional limits, and know how to seek professional advice, assistance and support when necessary.</b></p>
1.15	<p><b>Engage in self-audit and peer-group review processes on a regular basis in order to improve performance.</b></p>
1.16	<p><b>Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.</b></p> <p>The student obtains a complete history in a structured way, taking into account the main questions: what?, since or when?, treatments performed and whether improved or worsened, other animals affected and information on feeding, deworming, vaccination and reproductive status</p> <p>The student correctly writes-record the medical history findings using the appropriate Veterinary Medical terminology/shows ability in recording anamnestic data in a concise clear manner (fill up clinical records)</p> <p>The student is confident in using the Veterinary Hospital/Clinic management/recording software/system</p> <p>The student introduces himself/herself to the interns/owner of the horse</p> <p>The student obtains a complete history in a structured way taking into account the main questions: what?, since or when?, treatments performed and whether improved or worsened, other animals affected and information on feeding, deworming, vaccination and reproductive status</p> <p>The student asks about the main signs of diseases such as fever, lameness, colic, weight loss, loss of appetite, cough, alopecia, and behavioural changes</p>

The student correctly writes the medical history findings using the appropriate Veterinary Medical terminology. The student is able to transform the owner's description in a brief and accurate way for a quick clinical history reading

**1.17 Handle and restrain animal patients safely and with respect of the animal and instruct others in helping the veterinarian to perform these techniques.**

The student shows confidence and safely approaches to a dog/cat

The student shows confidence and safely approaches a horse

The student teaches other students to handle and hold horses with confidence and in a safe manner

The student shows confidence and handles hospitalized horses in a safe manner

The student shows confidence and safely approaches to a cow

The student performs clinical examination procedures using appropriate safety standards for the animal, himself and others

**1.18 Perform a complete clinical examination and demonstrate ability in clinical decision-making.**

The student recognizes the main/primary signs of estrous behavior in a cow

The student performs the clinical examination of the vulva and vaginal, and the mucus score to diagnose vaginal, cervical and uterine pathologies (bovine)

The student identifies cervix, uterine horns and the ovaries by trans-rectal palpation (bovine )

The student recognizes uterus and ovaries when looking a trans-rectal ultrasound (bovine)

The student is able to perform an ultrasound pregnancy diagnosis in a cow

The student performs appropriately the inspection, collects the information, and performs the physical examination with method in a horse

The student correctly collects the vital signs (TPR= temperature/pulse/respiratory rate) in a horse

The student identifies cervix, uterine horns and the ovaries, by trans-rectal palpation and ultrasound

The student recognizes the phase of the cycle

The student locates the cervix, and passes the cervix with an insemination catheter

The student properly reports findings of the physical examination in the medical records of the hospital

The student is able to perform differential diagnosis and choose the optimal diagnostic procedure according to age, breed and pain localization

The student performs the clinical examination of the female genital tract

The student collects a sample for a vaginal cytology and interprets the results of the analysis for the evaluation of the estrous cycle phase

The student performs a deep palpation of the mammary glands detecting the associated lymph nodes both in male and female

The student performs the clinical examination of the male genital tract

**1.19 Develop appropriate treatment plans and administer treatment in the interest of the animal under their care with regard to the resources available and to appropriate public health and environmental considerations.**

The student completes the initial assessment of a patient: evaluation of hydration, tissue perfusion, and fluid volume/loss

The student correctly selects the fluid dictated by the patient's needs, including volume, rate, and fluid composition requirements

The student calculates the Fluid Rate (ml/kg/hr), including maintenance and replacement fluids

The student correctly identifies the main objectives of the therapy in relation to the clinical case presented

The student correctly identifies the most suitable drugs and the route of administration

**1.20 Attend in an emergency and perform first aid in common animal species\*. Prioritise situational urgency and allocate resources accordingly.**

The student knows how to manage obstetric, neonatal, gynecological, and andrological emergencies

The students knows how to assist a neonate during the first 24 hours of life

The student correctly performs resuscitation procedures

The student recognizes the stage of parturition on a patient

The student recognizes a dystocia on a patient

The students knows how to assist a foal during the first 24 hours of life

The student recognizes a critically ill foal and knows how to stabilize it

1.21	<p><b>Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</b></p> <p>The student is able to correctly assess the physical conditions of the breeding animal  The student knows the nutritional needs of healthy equine (e.g. foal, adults, elderly patients)  The students knows how to manage and monitor a pregnant mare</p>
1.22	<p><b>Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</b></p>
	<p>The student knows semen collection techniques  The student properly assesses semen quality  The student is able to correctly manage semen for artificial insemination  The student properly collects blood samples, uses appropriate tubes and correctly completes the lab form (for in-house and referral labs)  The student correctly collects a sample of blood/faeces for diagnosis of parasitological and/or infectious diseases, and correctly completes the lab submission form  The student knows semen collection techniques in stallion  The student properly assesses semen quality  The student is able to correctly manage semen for artificial insemination</p>
1.23	<p><b>Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</b></p>
	<p>The student is able to transfer clinical details between different specialists in the hospital and report consistently medical report in the process of referral  The student is able to write a medical report of the patient in the hospital database with proper reference to diagnostic tests performed</p>
1.24	<p><b>Use basic diagnostic equipment and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</b></p>
	<p>The student knows the diagnostic value of an ultrasound evaluation of a pregnant female, locates different anatomical regions of the foetus and assesses the foetal viability  The student knows the techniques for ultrasonographic pregnancy diagnosis and its monitoring  The student performs the US examination of the reproductive tract in a mare  The student performs the US examination of the reproductive tract in a cow</p>
1.27	<p><b>Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.</b></p>
	<p>The student is able to calculate a drug dosage for a patient  The student administers the medicine via the correct route</p>
1.29	<p><b>Recommend and evaluate protocols for biosafety and biosecurity, and apply these principles correctly.</b></p>
	<p>The student properly deposits waste for selective collection with biosecurity conditions</p>
1.30	<p><b>Perform aseptic procedures appropriately.</b></p>
	<p>The student correctly identifies the main objectives of the surgical treatment in relation to the clinical case presented  The student performs an ovariectomy/ovariohysterectomy on a dog or cat  The student performs an orchiectomy on a dog or cat</p>