

This teaching module provides the following elements, which are useful for achieving **EAEVE Day One Competences**

1.4 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.

The students correctly apply biosafety and biosecurity protocols in a diagnostic lab for parasitology and mycology

1.12 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.

Capability to approach to parasitic and mycotic agents as a concern for animal and human health in a One Health perspective and SDGs (3, 15)

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

The student is able to perform at least the following complimentary diagnostic tests: skin scraping, smears, adhesive tape technique and collection of samples for culture

1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.

The student is able to properly collect a sample of blood/faeces for diagnosis of parasitological diseases
 The student is able to interpret the results of the following laboratory parasitological and mycological tests: qualitative copromicroscopy, fungal microscopy and cultural exam, skin scraping for ectoparasites
 The student knows appropriate storage conditions
 The students knows how to apply proper parasitological keys to diagnose parasitic infections
 The students knows how to apply proper clinical/mycological keys to diagnose fungal infections

1.25 Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities.

The student knows symptoms, diagnosis and risks of transmission associated with the main parasitic and fungal zoonotic diseases

1.29 Recommend and evaluate protocols for biosafety and biosecurity, and apply these principles correctly.

The student uses correctly and safely the contaminated and organic waste (yellow bins)
 The students correctly apply biosafety and biosecurity protocols in a diagnostic lab for parasitology and mycology
 The student applies standard biosecurity practices during lab activity i.e. cleaning and disinfection of tables and equipment)