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1. Introduction

All veterinarians, regardless of their professional area of practice after graduation, are responsible for promoting animal health and welfare, food safety, and public health. As such, veterinary education in a cornerstone of the profession. The OIE Veterinary Education Core Curriculum (VCC) is a tool to evaluate the quality of veterinary education and is designed to support veterinarians wishing to pursue a career in the public, or private components of National Veterinary Services.

The OIE Recommendations on the Competencies for Day 1 Veterinary Graduates outline the core competencies that graduating veterinarians (“Day 1 graduates”) not only has received a sufficient level of education to assure that the graduating veterinarian (“Day 1 veterinary graduate”) can be developed to educate veterinary students to their national needs and circumstances could be added. 

2. Specific Competencies

2.1 Epidemiology

Day 1 veterinary graduates: understand the principles of descriptive epidemiology and its application to disease control, veterinary population biology and specimen collection, and handling, and transport

2.2 Transboundary animal diseases (TADs)

Day 1 veterinary graduates: identify disease signs, clinical course, transportation pathogen and associated with TADs, the current best current and limitations of TADs, explain the appropriate diagnostic and therapeutic tools to prevent and control TADs and pathogens and understand the related regulatory implications

2.3 Zoonoses (including food borne diseases)

Day 1 veterinary graduates: identify the clinical signs, clinical course, transmission potential, and pathogen associated with common zoonotic and food borne diseases, explain the use of current diagnostic and therapeutic tools, understand the implications of common zoonotic and food borne diseases for human health and understand the regulated regulatory implications

2.4 Emerging and re-emerging diseases

Day 1 veterinary graduates: define and provide examples of emerging disease and re-emerging disease, detect suspicious signs and notify to the veterinary authority, understand the reason these hypotheses to explain the emergence and re-emergence of such diseases

2.5 Disease prevention and control programmes

Day 1 veterinary graduates: describe established programmes within the area of veterinary or contagious diseases or emerging-emerging diseases, understand and participate in the implementation of contingency plans to control transboundary diseases, including the humane killing of animals, understand and participate in regular emergency vaccination campaigns, as well as in regular test and trace programmes, explain concept of “early detection system”, know which diseases require compulsory notification by the veterinarian to the veterinary authority, understand and participate in corrective actions, know where to find the responsible for animal care, identify animal welfare problems

2.6 Animal welfare

Day 1 veterinary graduates: explain animal welfare and related responsibilities of veterinarians and others responsible for animal care, identify animal welfare problems and participate in corrective actions, know where to find the source of information on local, national and international animal welfare regulations/standards to describe humane methods for animal transport, slaughter, transport for human consumption and disease control purposes

2.7 Veterinary legislation and ethics

Day 1 veterinary graduates: understand the fundamentals of veterinary legislation and specific rules and regulations governing the veterinary profession, understand and participate in regulatory activities and codes and provide leadership to society on ethical considerations involved in the use and care of animals by humans

2.8 Animal welfare

Day 1 veterinary graduates: describe the processes used to assess animal health status and safety of animal products for purpose of transport/export, the process of ante and post mortem risk-based inspection of animals, and the inspection of animal products and the drafting of health certificates

2.9 Veterinary legislation and ethics

Day 1 veterinary graduates: understand the management of sanitary and phytosanitary rules and regulations, the tracing of the source and spread of a disease, the monitoring and controlling of initial disease surveillance, including the communication of epidemiological information to veterinary public health practitioners and the methods applied for disease prevention and control programmes.

2.10 General certification procedures

Day 1 veterinary graduates: explain the process of construction of models and principles, the process of health certification of the quality and wholesomeness of commodities for export, the importance of mechanisms to protect the health of animals, the public, and the environment, understand and participate in corrective actions, know where to find the responsible for animal care, identify animal welfare problems

2.11 Communication skills

Day 1 veterinary graduates: understand the principles of communication and interpersonal communication skills and the importance of effective communication (public awareness and advocacy)

3. Advanced Competencies

3.1 Organisation of Veterinary Services

Day 1 veterinary graduates: appreciate the delivery of National Veterinary Services as a global public good, the organisation, function and authority of National Veterinary Services and how they interact with Veterinary Services in other countries and international partners, the relationship between public and private sector veterinarians in delivery of their National Veterinary Services. We need to evaluate the quality of Veterinary Services as provided for in the OIE PVS Pathway

3.2 Inspection and certification procedures

Day 1 veterinary graduates: understand the processes used to assess animal health status and safety of animal products for purpose of transport/export, the process of ante and post mortem risk-based inspection of animals, and the inspection of animal products and the drafting of health certificates

3.3 Management of contagious diseases

Day 1 veterinary graduates: understand the management of sanitary and phytosanitary rules and regulations, the tracing of the source and spread of a disease, the monitoring and controlling of initial disease surveillance, including the communication of epidemiological information to veterinary public health practitioners and the methods applied for disease prevention and control programmes.

3.4 Veterinary products

Day 1 veterinary graduates: understand the risk-based performance of slaughter inspection (ante-and post-mortem, human slaughter and hygienic dressing), the residue testing programs, the traceability of animal products, the sanitation of food processing and storage, health and cleanliness of humans involved in the food chain and from fork to

3.5 Application of risk analysis

Day 1 veterinary graduates: understand the risk analysis concepts and how risk analysis can be applied to various Veterinary Services adequately, protect animal and human health.

3.6 Research

Day 1 veterinary graduates: understand how translational and interdisciplinary research is essential to advancing veterinary knowledge to deliver National Veterinary Services.

3.7 International trade framework

Day 1 veterinary graduates: understand the sanitary and phytosanitary (SPS) Agreement of the World Trade Organization (WTO), the role and responsibilities of the OIE and the Codex Alimentarius Commission (CAC) which are recognised by the WTO as reference standards setting organisations for international trade of animal and animal products, the current international regulations governing the safe trade of animals and animal products, the potential impacts of transboundary diseases on international trade; the process of health certification of the quality and wholesomeness of commodities for export, the importance of mechanisms to protect the health of animals, the public, and the environment.

3.8 Administration and management

Day 1 veterinary graduates: understand good practices in administration and management; the importance of excellent interpersonal communication skills and the importance of effective communication (public awareness and advocacy)