

Appendix J

Content distribution

Content Area	Name	Mean (all)	Academic-Clinical	Practitioner in the Field
1	Manage herd problems in cattle, involving both endemic and epidemic or (re-)emerging disease.	7.58	7.72	7.75
2	Design farm-specific herd health monitoring programs for the prevalent health issues in Europe, involving adult	6.18	5.72	6.81
3	Describe, analyze and advise on commonly encountered housing and feeding systems for cattle and identify	4.97	5.06	4.81
4	Describe, analyze and advise on bovine nutrition for	4.70	4.75	4.38
5	Understand the basic principles of vaccinology, immunology and immunomodulation	3.09	3.16	2.69
6	Understand and apply the principles of biosecurity tailored to the farm and at a larger (inter)national level	4.51	4.81	2.94
7	Understand, recognize, diagnose and treat individual cattle diseases and estimate their importance to herd health	6.57	7.22	6.75
8	Perform advanced (non-specialist) surgery in cattle and have knowledge of advanced therapeutic and surgical	3.99	4.88	4.56
9	Appropriately use and advise on pain medications and	4.43	5.13	3.88
10	Advise, promote and improve animal welfare (beyond the legal minimal EU requirements)	5.01	5.00	5.44
11	Understand epidemiological principles and apply to data	5.25	5.56	4.06
12	Understand and implement the principles of evidence-	5.19	4.50	5.75
13	Measure antimicrobial use (including but not limited to antibiotics, chemotherapeutics and anti-parasitic drugs) and apply the principles of rational antimicrobial use	3.74	3.78	3.63
14	Understand principles of paraclinical / ancillary disciplines	2.75	3.06	2.50
15	Use and interpret diagnostic tests and procedures for individual animal and herd diagnosis and application as	5.26	5.53	4.56
16	Apply medical imaging techniques on farm	3.43	4.06	3.69
17	Perform necropsy using a methodical approach and take appropriate samples for diagnostic purposes	3.42	3.81	3.19
18	Understand and contribute to animal health economics	3.40	2.41	3.69
19	Diagnose, advise on and control zoonotic disease related to animal contact or consumption of products	3.48	3.16	3.00
20	Be aware of relevant current EU legislation and be able to translate into practical situations	2.77	2.06	3.88
21	Interpret and apply scientific literature	4.53	3.91	5.31
22	Effectively communicate with a variety of stakeholders and influence human behaviour	3.39	2.75	3.63
23	Basic understanding and application of breeding and	2.35	1.97	3.13