



Indian College of Veterinary Pathologists

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Grading/scoring system for evaluating progress of the ICVP-Training.

S. No.	Activity	Minimum	Maximum	Remarks
1.	Onsite Training: number of lesion/necropsy reports submitted to the ICVP	28	50	One mark for each report
2.	Participation in Centralised Training-A: Attendance in lectures/ demonstrations	30	45	One mark for each attendance
3.	Participation in Centralised Training-B: Attendance in Weekly case discussion seminars	30	45	One mark for each attendance
4.	Attendance in annual meeting of ICVP	1	5	
5.	Participation in ICVP/IAVP award competitions	1	5	
Total		90	150	

1. The ICVP-Training Plan

- 1.1. This Committee holds the opinion that the depth of the “On-site Training” has to be a prerogative of the trainer but has to be in consistence with the examination system.
- 1.2. The Training Committee shall be responsible for identifying the topics for lectures/ demonstrations and the resources persons for the Centralised Training
- 1.3. The Training Committee shall be responsible for scheduling and organising lectures.
- 1.4. The lecture topics and the Weekly Group Discussion or the slide seminar shall be announced at least two weeks in advance and a reconfirmation in the announcement at the time of the previous lecture/demonstration or the weekly meeting.
- 1.5. A suggested list of topics and a training plan is presented in the Table 5.



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Table 5. The annual training plan recommended by the Training Committee 2020 (to be reviewed once in five years)

Month/ week	Reporting of onsite training activities to the ICVP (To be repeated every Monday)	Online Centralised Training			Online weekly seminars
		Basic topics (First Year) (To be conducted every Tuesday)	Advanced topics (Second Year) (To be conducted every Wednesday)	Special lectures or Journal club presentations (Third Year) (To be conducted every Thursday)	Online digital Friday group discussion and slide seminars (moderated by trainers and diplomates)
January Week-1	Report a post-mortem examination	Basic requirements for post-mortem examination (tools, infrastructure and documentation)	Regional pathology: gross and microscopic lesions in Head and neck	Special lecture-I: Cell death	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
January Week-2	Report a gross lesion	Post-mortem examination in different species of farm animals	Regional pathology: gross and microscopic lesions in fore limbs and hind limbs	Journal club presentations by trainees-I	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
January Week-3	Report a histopathology lesion	Post-mortem examination in different species of	Regional pathology: gross and microscopic lesions in thoracic and abdominal	Special lecture-II: Cell adaptation	Topic and moderator will be identified and announced by the ICVP



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		companion animals	cavities		Training Committee every previous Friday
January Week-4	Report a clinical pathology investigation	Post-mortem examination in poultry	Regional pathology: gross and microscopic lesions in pelvis and tail	Journal club presentations by trainees-II	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
January Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic be identified/ Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
February Week-1	Report a PM examination	Post-mortem examination in different wild animals and birds (ruminants,	Gross and histopathology of respiratory system	Special lecture-III: Biology of cell proliferation	Topic and moderator will be identified and announced by the ICVP Training Committee



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		carnivores, birds, reptiles etc)			every previous Friday
February Week-2	Report a gross lesion	Post-mortem examination in different non-mammalian and non-vertebrate terrestrial animals	Gross and microscopic lesions of cardiovascular system	Journal club presentations by trainees-III	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
February Week-3	Report a histopathology lesion	Post-mortem examination in different species of marine and aquatic species	Gross and microscopic lesions of gastrointestinal system: gut	Special lecture-IV: Cells participating in inflammation	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
February Week-4	Report a clinical pathology investigation	Post-mortem examination in laboratory animals	Gross and microscopic lesions of gastrointestinal system: hepatobiliary and exocrine glands	Journal club presentations by trainees-IV	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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February Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic be identified/ Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
March Week-1	Report a post-mortem examination	Morphological description of gross lesions	Gross and microscopic lesions of urinary system	Special lecture-V: Chemical mediators of inflammation	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
March Week-2	Report a gross lesion	Basic histotechnology	Gross and microscopic lesions of male genital system	Journal club presentations by trainees-V	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
March	Report a	Microscopy for	Gross and microscopic	Special lecture-VI:	Topic and moderator will



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Week-3	histopathology lesion	veterinary pathologists	lesions of female genital system	Oncogenes	be identified and announced by the ICVP Training Committee every previous Friday
March Week-4	Report a clinical pathology investigation	Basic photography skills for veterinary pathologists (macrophotography, microphotography)	Gross and microscopic lesions of nervous system	Journal club presentations by trainees-VI	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
March Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic be identified/ Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
April Week-1	Report a post- mortem	General principles of descriptive	Gross and microscopic lesions of organs of	Special lecture-VII: Multistage	Topic and moderator will be identified and



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	examination	histopathology	special sense	carcinogenesis	announced by the ICVP Training Committee every previous Friday
April Week-2	Report a gross lesion	Histopathology of non-infectious and non-neoplastic lesions	Gross and microscopic lesions of hematopoietic system	Journal club presentations by trainees-VII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
April Week-3	Report a histopathology lesion	Histopathology of infectious diseases	Gross and microscopic lesions of lymphoid system	Special lecture-VIII: Pathobiology of angiogenesis	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
April Week-4	Report a clinical pathology investigation	Histopathology of neoplastic lesions	Gross and microscopic lesions of endocrine system	Journal club presentations by trainees-VIII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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April Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic to be identified / Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
May Week-1	Report a PM examination	Special staining techniques in diagnostic pathology	Discussion on common post-mortem lesions in farm animal	Special lecture-IX: Pathobiology of extracellular matrix	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
May Week-2	Report a gross lesion	Diagnostic immunohistochemistry	Discussion on common post-mortem lesions in companion animals	Journal club presentations by trainees-IX	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
May	Report a	Flow cytometry	Discussion on common	Special lecture-X:	Topic and moderator will



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Week-3	histopathology lesion		post-mortem lesions in poultry (chicken)	Cell signalling	be identified and announced by the ICVP Training Committee every previous Friday
May Week-4	Report a clinical pathology investigation	Descriptive electron micrographhy	Discussion on common post-mortem lesions in poultry (other than chicken)	Journal club presentations by trainees-X	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
May Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic to be identified / Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
June Week-1	Report a post- mortem	General principles of laboratory medicine	Discussion on common post-mortem lesions in a	Special lecture-XI: Wound healing	Topic and moderator will be identified and



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	examination		laboratory animal		announced by the ICVP Training Committee every previous Friday
June Week-2	Report a gross lesion	Interpretation of leucocyte abnormalities	Discussion on common post-mortem lesions in non-mammalian and non-avian species	Journal club presentations by trainees-XI	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
June Week-3	Report a histopathology lesion	Interpretation of erythrocytic and platelets abnormalities	Discussion on common post-mortem lesions in wild animals (herbivores)	Special lecture-XII: / Stem cells	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
June Week-4	Report a clinical pathology investigation	Interpretation of urinalysis	Discussion on common post-mortem lesions in wild animals (carnivores)	Journal club presentations by trainees-XII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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June Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic to be identified/ Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
July Week-1	Report a PM examination	Interpretation results of serum biochemistry findings	Pathology of bacterial diseases	Special lecture-XIII: Tumour markers	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
July Week-2	Report a gross lesion	Examination of CSF, peritoneal, plueral and pericardial effusions and Transtracheal washings	Pathology of viral diseases	Journal club presentations by trainees-XIII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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July Week-3	Report a histopathology lesion	Investigation of lesions in joints	Pathology of mycotic diseases	Special lecture-XIV: Immunopathology	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
July Week-4	Report a clinical pathology investigation	Examination of milk samples	Pathology of parasitic diseases	Journal club presentations by trainees-XIV	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
July Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available during the month)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic to be identified/ Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
August	Report a post-	Clinical pathology of	Pathology of	Special lecture-XV:	Topic and moderator will



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Week-1	mortem examination	nasal smears and tracheal washings	nutritional/metabolic diseases	Molecular targets for disease diagnosis	be identified and announced by the ICVP Training Committee every previous Friday
August Week-2	Report a gross lesion	Cytological examination of vaginal smears	Pathology of genetic diseases	Journal club presentations by trainees-XV	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
August Week-3	Report a histopathology lesion		Pathology of diseases caused by physical agents	Special lecture-XVI: Quantification of lesions	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
August Week-4	Report a clinical pathology investigation		Pathobiology of wound healing	Journal club presentations by trainees-XVI	Topic and moderator will be identified and announced by the ICVP Training Committee



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					every previous Friday
August Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
September Week-1	Report a PM examination	<i>In situ</i> hybridisation	Forensic pathology	Special lecture-XVII: Pathology of Xenobiotics	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
September Week-2	Report a gross lesion	Description of cellular and molecular pathology results: ELISA, blotting techniques	One health concept	Journal club presentations by trainees-XVII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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September Week-3	Report a histopathology lesion	Proteomics and genomics	Topic to be identified	Special lecture-XVIII: Ecotoxicology of environmental toxins	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
September Week-4	Report a clinical pathology investigation	Description of cellular and molecular pathology results: nucleic acid, PCR	Topic to be identified	Journal club presentations by trainees-XVIII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
September Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/Mock Examination	Topic to be identified/ Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
October	Report a post-	Description of	Topic to be identified	Special lecture-XIX:	Topic and moderator will



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Week-1	mortem examination	ultrastructural pathology		Topic to be identified	be identified and announced by the ICVP Training Committee every previous Friday
October Week-2	Report a gross lesion	Quality control platforms: ISO, GLP, interpersonal comparison, proficiency testing	Topic to be identified	Journal club presentations by trainees-XIX	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
October Week-3	Report a histopathology lesion	Principles and practice of Laboratory Medicine: anatomic pathology	Topic to be identified	Special lecture-XX: Topic to be identified	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
October Week-4	Report a clinical pathology investigation	Principles and practice of Laboratory Medicine: clinical pathology	Topic to be identified	Journal club presentations by trainees-XX	Topic and moderator will be identified and announced by the ICVP Training Committee



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					every previous Friday
October Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available) Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available) Mock Examination	Topic to be identified / Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
November Week-1	Report a post-mortem examination	Preparation of case reports for professional colleagues, judiciary and statutory agencies	Topic to be identified	Special lecture-XXI: Topic be identified	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
November Week-2	Report a gross lesion	Preparation of reports in Comparative and Experimental Pathology	Topic to be identified	Journal club presentations by trainees-XXI	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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November Week-3	Report a histopathology lesion	Preparation of study/case reports for scientific communications	Topic to be identified	Special lecture-XXII: Topic to be identified	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
November Week-4	Report a clinical pathology investigation	Preparation of Toxicologic Pathology report	Topic to be identified	Journal club presentations by trainees-XXII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
November Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available) Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available) Mock Examination	Topic to be identified / Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
December	Report a PM	Preparation of reports	Topic to be identified	Special lecture-	Topic and moderator will



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Week-1	examination	for ICVP competitions		XXIII: Topic to be identified	be identified and announced by the ICVP Training Committee every previous Friday
December Week-2	Report a gross lesion	Special topics at the request of trainees and trainers	Topic to be identified	Journal club presentations by trainees-XXIII	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
December Week-3	Report a histopathology lesion	Special topics at the request of trainees and trainers	Topic to be identified	Special lecture-XXIV: Topic to be identified	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday
December Week-4	Report a clinical pathology investigation	Special topics at the request of trainees and trainers	Topic to be identified	Journal club presentations by trainees-XXIV	Topic and moderator will be identified and announced by the ICVP Training Committee



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					every previous Friday
December Week-5	Report an ultrastructural lesion or a molecular pathology result (if a fifth Monday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Tuesday is available)/ Mock Examination	Revision of topics already discussed during the month (if a fifth Wednesday is available)/ Mock Examination	Topic to be identified / Mock Examination	Topic and moderator will be identified and announced by the ICVP Training Committee every previous Friday



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2. Staging of the ICVP- Training

- 2.1. This Committee holds the opinion that the ICVP- training should be a staged process.
- 2.2. The recommended stages are listed in Table 6. The ICVP may designate a trainee as a Junior Resident (Year I), Resident (Year II) and Senior Resident (Year III) and a Super Senior Resident (Year IV and beyond).
- 2.3. A suggested time plan for staging the ICVP training is presented in the Table 6.

Table 6: Time plan for staging ICVP training

Major stages	Objectives	A tentative time frame (in months)					
		0-6	7-12	13-18	19-24	25-30	31-36
Stage –I	Master the skill of conducting a necropsy examination and describing a lesion (gross, histomorphology, ultrastructure, molecular biology).						
Stage-II	Master the art of diseases diagnosis integrating: anatomic pathology and clinical pathology						
Stage III	Ability to practice Veterinary Pathology with minimum supervision						
Stage IV	Ability to practice Veterinary Pathology independently including report preparation						
Stage V	Ability to prepare scientific documents for publication with minimum supervision						
Stage VI	Ability to act as a consultant in Veterinary Pathology						



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