College of Veterinary Science Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana

Advanced Training Course on Important Veterinary Clinical Procedures

Schedule

		m	Department	Venue
ate	Time	Topic Introduction to the different sections of	Surgery &	- 0 -
ay1	9:00-10:00		Radiology	Surgery Committee
		Advanced Clinical Training		room
		Selection of drugs for anaesthesia, dose	Surgery &	Small Animal
		calculation	Radiology	Clinic
	11:00-13:00	Preanesthestic assessment, discussion on	0	g 11 A .:
		minimum required laboratory tests and	Surgery &	Small Animal
		preanesthetic physical status to patient.	Radiology	Clinic
	13:00-14:00			
	14:00-15:30	Surgeon preparation scrubbing, gowning and	Surgery &	Small Animal
	14.00-15.50		Radiology	Clinic
	15-20 17-00	donning (closed gloving) Assemble anesthetic equipment, selection of	radiology	Small Animal
	15:30-17:00		Surgery &	Clinic
		breathing circuit, endotracheal tube,	Radiology	Chine .
		rebreathing bag, discussion on circle & bain	Radiology	
		system & leak test		
ay 2	9:00-11:00	Premedication, IV catheter placement, admin	Surgery &	Small Animal
		of IV fluid, induction of anesthesia,	Radiology	Clinic
	11:00-13:00		Surgery &	Small Animal OT
		anesthesia machine, placing esophageal	Radiology	
	,	stethoscope	244-2010/89	
	13:00-14:00			
	14:00-15:30		Surgery &	Radiology Unit
	5	use of proper radiographic techniques,	Radiology	
		including selection of appropriate views and	Si N	
		structures/regions		
	15:30-17:00	Radiation safety	Surgery &	Radiology Unit
Day 3	9:00-11:00	Monitoring using Doppler or oscillometric	Radiology	
Juy 5	7.00-11.00	blood pressure monitor, transfer of patient to	Surgery &	Small Animal
		surgery area and maintenance of anesthesia,	Radiology	Clinic
	11:00-13:00	assessing depth of anesthesia Anesthesia record and recovery from		
	11.00-15.00	anesthesia.	Surgery &	Small Animal
Day 4	13:00-14:00		Radiology	Clinic
	14:00-17:00		Surgery &	Curan I I
	9:00-11:00	during anesthesia section Observation of Soft tissue surgery & General	Radiology	Surgery Lab
	1.00	Anesthesia	Surgery &	Small Animal
	11:00-13:00		Radiology	Clinic
	11.00-13:00	Recovery from anesthesia its monitoring & discussion on anesthesia proforma	Surgery &	Small Animal
	13:00-14:00	O Tunch	Radiology	Clinic
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	14:00-17:00	Patient preparation for Surgery	1. Surgery & Radiology 2. Vety Gynaecology	Clinic
Day 5	9:00- 13:00	Observation of Soft tissue surgery & General Anesthesia	Surgery & Radiology Vety Gynaecology	Small Animal Clinic
-	13:00-14:00	Lunch		T
		Discussion on Postoperative pain management, fatal flaws in surgery & how to prevent it.	Surgery & Radiology	Small Animal Clinic
		Radiographs of equine limbs in lame horses	Surgery & Radiology	Committee room
Day 6	9:00-11:00	Demonstration of thoraco- and abdominocenetesis in dog.	Veterinary Medicine	Small Animal Medicine OPD
	11:00-13:00	Demonstration of normal and abnormal heart sounds, skin scraping for suspected demodex	Veterinary Medicine	Small Animal Medicine OPD
	13:00-14:00	Lunch		
	14:00-17:00	Demonstration of cystocenetesis, urinary catheterization in male dog and jugular Venipuncture	Veterinary Medicine	Small Animal Surgery OPD
Day 7	9:00-11:00	Evaluation of the integrity of the cranial cruciate ligament on a dog, patellar reflex evaluation and describe how it is affected by a spinal lesion. Cranial nerve examination.	Surgery & Radiology	Small animal surgery OPD
	11:00-13:00	Schirmer tear test/ Fluorescein stain test and interpretion of the results, proprioceptive examination and interpretion of the results	Surgery & Radiology	Small animal surgery OPD
	13:00-14:00			
	14:00-17:00	results, fine needle aspirate and prepare a slide for analysis.	Surgery & Radiology	Surgery Department
Day 8	9:00-13:00	 Perform an obstetrical examination (preparation of animal/ self). Identify presentation, posture, position Correct mal presentation, posture, position Place chains/ropes, Discuss alternative delivery plans, Post-delivery cow and calf care 		Gynaecology Department
	13:00-14:00	Lunch		
	14:00-17:00	Prepare the cow for obstetrical examination Perform rectal examination and determine pregnancy status. Explain on what basis pregnancy status determination was made. On	Vety Gynaecology	Dairy farm

1		the basis of the rectal examination, describe the response to prostaglandin administration, including the basis on which that		
		determination was made (eg, ovarian		
Dow 0	9:00-11:00	prostaglandin administration. Small Animal Clinical Case- case evaluation: History, visual examination, thorough and	Vety Medicine	Small Animal Med. OPD
Day 9	11:00-13:00	systematic physical exam. Small Animal Clinical Case- 1. Record all examination findings in a form,	Vety Medicine	Small Animal
		differential diagnosis list, Comprehensive diagnostic tests along with its justification and its interpretation, use of diagnostic tests to refine differential diagnosis list and arrive at most likely diagnosis. Develop therapeutic plan, follow up, preventive and control issues.		Med. OPD
	13:00-14:00	Lunch		Ta :u Baam
	14:00-17:00	5 important clinical cases of dogs and cats each- Discussion on their: 1. Clinical evaluation 2. Therapeutic plan and appropriate follow up, preventive and control issues and	Vety Medicine	Committee Room Medicine Department
		developing the appropriate diagnosis.	Vety. Medicine	NCC Unit
Day 10	9:00-1:00	Catch and restrain the horse, determine the medical history, perform a distance and a physical examination, develop an initial problem list and differential diagnoses list, request appropriate diagnostic tests, interpret results of tests, determine the most likely diagnosis based upon history, physical examination, and diagnostic test results		
	13:00-14:0		Vety Medicine	Instruction of
	14:00-15:3	In an adult cow, take history, do physical examination, develop diagnostic plan, interpret test results, do differential diagnosis, and give most appropriate diagnosis,	very Medicine	Instructional Livestock Farm Complex
	15:30-17:0		Vety Medicine	Instructional Livestock Farm Complex
Day	711 9:00-13:0	of reportable disease); public health issues (eg, zoonotic potential), withdrawal times.		y
	7	history and then observing the horse at a walk	Surgery &	TVCC/

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		and trot to determine the lame limb, how to	Radiology	NCC Unit
		and trot to determine the lamb lameness differentiate fore- limb vs hind-limb lameness and how to determine left vs. right limb), perform appropriate flexion tests to localize the		
		lameness.		
		and low and high volar nerve blocks		
		and associated principles (eg, landmarks, preparation, technique, desensitized areas, etc), joint block, imaging		
	•	techniques.		
	13:00-14:00	Lunch		NCC Unit
	14:00-17:00	1. Completely auscultate the thorax (cardiorespiratory system), using a rebreathing bag.	Vety Medicine	MCC Out
		2. Place a support (aka standing, shipping)bandage.3. Discuss how to safely perform a		
		rectal examination.		
		4. Identify usual IM, IV, and SQ injection sites and perform an intravenous and		
		intramuscular injection, using N.S.S.		
		5. Palpation of 20 important structures.	Vety Medicine	TVCC /
Day 12	9:00-11:00	Discussion on Feeding/housing, Vaccination, Deworming, Dental care, Foot care in horses		NCC Unit
	11.00-13:00	 Perform a basic ophthalmic examination, using a direct scope. Describe the horse for the purpose of 	Vety Medicine	TVCC / NCC Unit
		positive identification for equine infectious anemia (EIA) testing, insurance examination,		
		or interstate health certificates, as directed by the examiner. Identify appropriate needles and tubes for collection of blood sample for serum		
		biochemistry, complete blood count, or equine infectious anemia test.		
	13:00-14:00	Lunch		
	14:00-16:30	1. Estimate the age of the horse, and discuss and demonstrate rasping (floating) of the upper cheek teeth, using manual tools.	Vety Medicine	TVCC / NCC Unit
		2. Describe how to perform abdominocentesis, including selection of needles/tubes.		
Day 13	9:00-11:00	1. Place a halter on the cow and restrain the	Vety Medicine	Dairy Farm
		cow in a manner that would allow procedures		
		to be performed safely on the head or neck. 2. Prepare the udder of the cow for routine milking		
		3. Obtain a milk sample from each quarter, perform California Mastitis Test (CMT) on	194	A. C. C.

		the samples, and interpret the test results.		
		4. Prepare the udder and obtain a milk sample		
		for bacterial culture; interpret bacterial culture		
		results provided and communicate		
9		atherapeutic/management		
		plan for the dairyman based upon the culture	Tr. 26 lining	TVCC/
	11:00-13:00	In a cow, do the following:	Vety Medicine	Dairy Farm
		1. Place a mouth gag and perform an		2007
		examination of the oral cavity	- N	
		2. Describe how to perform a caudal epidural		
		injection for the purposes of analgesia during		
		obstetrical manipulations.		
a -		3. Perform a speculum examination to evaluate cervix and describe findings.		
	13:00-14:00			TVCC/
	14:00-15:30	In a cow, perform the following: 1. Pass a stomach tube to collect rumen fluid	Vety Medicine	Dairy Farm
		2. Select an appropriate vacutainer for a		
		specified laboratory test and collect a blood		
		sample by coccygeal venipuncture		
		3. Manually collect urine sample. Describe the		
		sample, perform a dipstick test and interpret the		
	:-	result. Discuss the limitations of the dipstick		
		test.		
	15:30-17:00	In a cow, do the following:	Vety	TVCC /
		1. Percuss and auscultate a cow to determine	Medicine	Dairy Farm
		the presence or absence of each of the		
		following: LDA, rumen gas cap,		
		pneumoperitoneum, pneumocolon, and RDA.		
		Discuss how to differentiate between the above conditions.		
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	,	2. Select an appropriate catheter for use long-		
		term use in the jugular vein; describe how to		
		place, secure / maintain the catheter. 3. Describe how to restrain and examine a hind		
Day 14	9:00-10:00	foot for suspected foot lameness 1. Describe how to perform paravertebral	C.	
Day 1-	7.00-10.00		Surgery &	TVCC/
	10.00 12.0	2. Beschoenow to perform a contrainer ve block	Radiology	Dairy Farm
	10:00-13:0	Transmission of the management to the con (Witth		
	235 - 15-2	balling gun). 3. Perform a withers pinch test and assess the	Vety Medicine	Dairy Farm
		cow's response. Describe the basis for your		
		assessment.		
		4. In a cow, describe in detail how and where to		
		inject 30 ml of an antibiotic solution for S/C, IM		
		routes		

1	13:00-14:00	Lunch		Instruction
	T	n a Goat or Sheep — do the following: Take history, do physical examination, develop Take history, interpret test results, make Take history, do physical examination, develop Take history, do physical examination, do phy	Vety Medicine	Livestock Farm Complex
	1 2. 3 4 n re	n a Goat or Sheep: . Make a therapeutic and management plan . Develop an appropriate prognosis . Competently discuss prevention / control issues . Competently discuss regulatory issues (eg, otifying state/federal health officials of eportable disease); public health issues (eg, oonotic potential), withdrawal times etc.	Vety Medicine	Instructional Livestock Farm Complex
15	9:00-13:00	Post-mortem of dog -Thoroughly examination an intact carcass, documenting body condition, Open carcass, examine major cavities, remove viscera, Examination of major organs, Examination of muscles and joints, Examination of endocrine glands and lymph nodes, Remove the animals' head at the atlanto-occipital joint as if to submit for rabies examination. Tissue of heart lung, liver, small intestine, colon, stomach, spleen, pancreas, kidney, skeletal muscle,thyroid, adrenal, internal and external lymph node.	Vety Pathology	PM Hall
	13:00-14:00			
	14:00-16:30	Calculation of urine specific gravity and discussion on estimation of kidney concentrating ability. To determine a packed cell volume (PCV) and total protein (TP) of a blood sample and determine the PCV and TP of a pre-spun hematocrit tube.	Physiology and Biochemistry Deptt	
	16:30 onwards	Evaluation of Training Course	Dean, COVSc	Committee Room Dean, COVSc