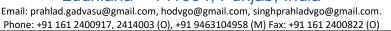


Directorate of Extension Education (DOE) Ministry of Agriculture & Farmers Welfare, Govt. of India

Department of Veterinary Gynaecology and Obstetrics

Directorate of Extension Education







Schedule of Model Training Course (MTC) sponsored by Directorate of Extension (DOE), Ministry of Agriculture & Farmers Welfare during 2017-18, to be held in the Department of Veterinary Gynecology and Obstetrics from 15/11/2017 to 22/11/2017.

Chief Patron Patron

Dr Amarjit Singh Nanda Dr Harish Kumar Verma

Course Director Course Coordinators Associated Scientists

Dr Prahlad Singh Dr Sumit Singhal Dr VK Gandotra Dr AK Singh Dr Narinder Singh Dr Mrigank Honparkhe Dr VS Malik

Dr Ajeet Kumar Dr Shahbaz Dhindsa

Dr Navdeep Singh

SCHEDULE

Day	Time	Lecture/	Title of the Lecture/ Practical	Scientist/s			
0.4	(Hrs)	Practical		D 41 (16			
01	09:00	-	Registration and orientation programme.	Dr Ajeet Kumar			
				Dr Sumit Singhal			
	09:30	-	Overview of the Training Programme and of Veterinary University	Dr HK Verma			
			Extension Services				
	10:00	-	Activities in Brief of College of Veterinary Science and University	Dr Parkash S Brar			
	10:30	-	Visit to the facilities in Embryo Transfer.	Dr VS Malik			
				Dr Narinder Singh			
	14:00	L-1	Reproductive endocrinology and follicular development.	Dr Mrigank Honparkhe			
	15:00	P-1	Examination of animals for evaluation as donors and recipients.	Dr Sumit Singhal			
				Dr Shahbaz S Dhindsa			
				Dr Navdeep Singh			
02	09:00	L-2	Selection of donors and recipients based on ultrasonography evaluation of ovaries.	Dr Mrigank Honparkhe			
	10:00	L-3	Superovulation-use of follicle stimulating hormones, mechanisms of	Dr Prahlad Singh			
	10.00	L-3	follicular maturation, ablation & ovulation.	Di Franiad Olligii			
	15:00	P-2	Commencement of superovulatory regimen through the application of	Dr Mrigank Honparkhe			
			Ultrasound technique	Dr Sumit Singhal			
03	09:00	L-4	Heat detection methods for donors and recipients	Dr AK Singh			
	10:00	L-5	Breeding strategies and techniques in reference to Embryo transfer	Dr Shahbaz S Dhindsa			
			programme.				
	15:00	P-3	Observations in Heat detection for signs and recording of symptoms	Dr AK Singh			
				Dr Navdeep Singh			
04	09:00	L-6	Strategies for Synchronization and superovulation in dairy cows.	Dr VK Gandotra			
	10:00	L-7	Quality semen production for embryo transfer technology	Dr Ajeet Kumar			
	15:00	P-4	Laboratory sensitization and media preparation for embryo transfer	Dr Sumit Singhal			
			technology	Dr VS Malik			
	16:00	P-5	Semen preparation for assisted reproductive technologies	Dr Ajeet Kumar			
				Dr Ashwani K Singh			
05	09:00	L-8	Methodologies for embryo flushing and recovery.	Dr Narinder Singh			
	10:00	L-9	Embryo searching, recovery and grading.	Dr Sumit Singhal			
	15:00	P-6	Flushing of donors for embryo recovery-I	Dr Prahlad Singh			
	16:00	P-7	Evaluation of embryos for transfer and freezing	Dr Narinder Singh			
				Dr Sumit Singhal			
06	09:00	L-10	Techniques of transferring embryos-palpation of cervix, uterus, ovaries,	Dr Narinder Singh			
	10.00	L-11	follicles & corpora lutea.	Dr Cumit Cinabal			
	10:00		Evaluation of Embryos for transfer and freezing	Dr Sumit Singhal			
	15:00	P-8	Embryo transfer technique in recipients	Dr Prahlad Singh			
				Dr Narinder Singh			
07	00.00	L-12		Dr Sumit Singhal			
07	09:00	L-12	Cryopreservation techniques for embryos using ethylene glycol and	Dr Ajeet Kumar			
			glycerol				

	10:00	L-13	Preparation of frozen-thawed embryos for transfer	Dr Narinder Singh
	15:00	P-9	Cryopreservation of embryos for future use.	Dr Prahlad Singh
			Thawing of frozen embryos for transfer in recipients.	Dr Narinder Singh
				Dr Sumit Singhal
08	09:00	L-14	Need and Opportunities of skill development in Embryo Transfer	Dr HK Verma
			Technology in Farm Animals: A field perspective.	
	10:00	L-15	Inputs and Record Keeping for embryo production	Dr Sumit Singhal
	11:00	L-16	Economics and Sanitation of embryos for use	Dr VS Malik
	15:00		Inputs and Record Keeping for embryo production	Dr Sumit Singhal
	16:00		Valedictory and concluding session	All Faculty

(Course Director)