

INFORMATION BROCHURE



Model Training Course



Ultrasonography Evaluation of Ovarian and Genital Status for Evaluation of Fertility in Dairy Animals

November 1 to 8, 2019

Sponsored by

**Directorate of Extension Education (DOE)
Ministry of Agriculture and Farmers Welfare
Government of India**

CHIEF PATRON

Dr Amarjit Singh Nanda

Vice Chancellor

PATRON

Dr Harish Kumar Verma

Director Extension
Education

COURSE DIRECTOR

Dr Prahlad Singh

Professor & Head

**COURSE
COORDINATORS**

**Dr Mrigank Honparkhe
Dr Ashwani Kumar Singh**

Gynaecologist
Assistant Professor

Organized by

Department of Veterinary Gynaecology and Obstetrics
Directorate of Extension Education
Guru Angad Dev Veterinary and Animal Sciences University
Ludhiana – 141 004, Punjab, India

Model Training Course

On

Ultrasonography evaluation of ovarian and genital status for evaluation of fertility status in dairy animals

Ultrasonography has been accessible to the medical community since early 1970's and considered to be a technological breakthrough in the diagnostics. The technology is still not available up to much extent as a clinical application in Indian animal industry. The technology is well adaptable for the study of internal reproductive events in animals. With the use of ultrasound scanner an operator can visualize organs which were previously reachable by tactile sense. Recent additions such as Color Doppler ultrasonography and Ultrasound guided interventional techniques can now be used for diagnostic or therapeutic purposes. In recent time, ultrasonography is employed in an extremely diverse range of circumstances, not only as a diagnostic tool in the routine clinical workup of a range of species, but also for disease diagnosis, herd management and clinical research. A progressive consolidation of production and increasing productivity of individual dairy animal warrants the veterinary practitioners to make the efficient use of these diagnostic ultrasound procedures.

OBJECTIVES

The intention of conducting proposed training programme is

- i) To provide background knowledge and hands-on experience about reproductive ultrasonography to veterinary practitioners.
- ii) To enhance understanding of basic and applied aspects of reproductive ultrasonography in order to influence the success of a scientist in terms of diagnostic and treatment potential.

SALIENT COURSE CONTENTS

Embryo Transfer Training Programme for Improved Calf Production in dairy farming will include topics related to following broad headings:

- Basics of ultrasonography procedures in animal reproduction
- Machine setups, Buttonology, care and maintenance of ultrasound machines
- Practice of ultrasound on slaughterhouse genitalia
- Ultrasonographic characteristics of genital tract of cattle and buffalo.
- Assessing blood flow volume of ovarian structures through Doppler ultrasonography.
- Estimation of fetal age and sex by ultrasonography.
- Response of various estrus synchronization protocols in cattle and buffalos: assessment through ultrasonography
- Transvaginal ultrasound-guided follicle/cyst aspiration.

VENUE AND DURATION

The Model Training Course will be organized at Department of Veterinary Gynaecology and Obstetrics, College of Veterinary Science and Directorate of Extension Education, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. The duration of the training will be of eight days from 1-8 November 2019

ELIGIBILITY

The officers/Scientists of State Departments (Animal Husbandry/ Livestock Development Board) will be given first priority and fully funded however the Scientists of SAUs/KVKs/ICAR can be accommodated with the condition that their TA/DA will be borne by parent institute.

APPLICATION SUBMISSION

Applications are invited from eligible candidates in the given format and should be sent through proper channel to the Course Director. Forms are also available on the Institute's website (www.gadvasu.in). Advance copy may be sent through email to Course Director for early registration. The last date for receiving nominations is **16 October 2019**.

SELECTION AND CONFIRMATION OF PARTICIPANTS

The total number of participants will be twenty. A list of candidates will be prepared as per the criteria laid for the course and will be displayed in the University website along with the intimation to the selected participants through email.

TRAVEL, BOARDING AND LODGING

Traveling expenses may be reimbursed on actual basis as per entitlement of the official who attends the training and the participant should produce money receipts/ tickets in support of claim. In case of non-availability of normal reservation, the reimbursement of tatkal reservation charges may also be allowed to the participants. The provision to meet traveling expenses has been made for participants from the State Development Departments only. For others, TA/ DA may be borne by their nominating institute. However, all participants are entitled to avail the lodging and boarding and other facilities.

A certificate from the participant's host institute should be produced to the effect that no claim is being made for TA by from any other source/ State Govt. TA certificate from the participants is to be produced to the effect that no TA advance has been received from the sponsoring Department/Agency.

The traveling expenses of the officer not eligible for TA should produce a certificate the TA will be borne by the institute on behalf of the Ministry of Agriculture, Govt. of India.

The participants will be accommodated in the Scientist Home at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana; Guest House and/or nearby facilities.

HOST INSTITUTE

Guru Angad Dev Veterinary and Animal Sciences University, was established at Ludhiana in 9th August 2005 and it started functioning from 21 April 2006 for promoting livestock production, health and prevention of the disease(s) through integrated teaching, research and extension programme(s). Department of Veterinary Gynaecology and Obstetrics, Guru Angad Dev Veterinary and Animal Science University (GADVASU) Ludhiana is Centre of Advanced Faculty Training (CAFT) under the auspices of Indian Council of Agricultural Research (ICAR, New Delhi). The department has an adequate facility for the conduct of an embryo transfer training along with the facility of a dairy farm and well established Semen Centre. This department has well trained scientists having vast experience in the field of animal reproduction. Almost all faculty members have visited / worked in universities abroad for their PhD/Post Doc/Visiting scientist/ research collaboration. This department has 12 ongoing research projects in hand. Experienced faculty is already engaged in organizing various training programmes under CAFT, refresher courses for veterinary officers and farmers. University has a good number of vehicles for transportation. All the University class rooms/ seminar rooms are equipped with latest teaching aids.

The University is located in the central part of Punjab having a distance of 100 Kms from Chandigarh and 160 Kms from the historic place Golden Temple Amritsar. The climate during November is pleasant with maximum temperature of 27°C and minimum temperature of 17°C.

IMPORTANT DATES

Last date for receipt of nomination (Through Proper Channel)	:	16 October 2019
Intimation of Selection	:	20 October 2019
Last date of confirmation from Participants	:	25 October 2019

CHIEF PATRON

Dr Amarjit Singh Nanda

Vice-Chancellor

Guru Angad Dev Veterinary and Animal Sciences University
Ludhiana -141 004, Punjab

PATRON

Dr Harish Kumar Verma

Director of Extension Education

Email: hkvpau@gmail.com

Mob. +91 161 2553363, 2553364

COURSE DIRECTOR

Dr Prahlad Singh

Professor-cum-Head

Department of Veterinary Gynaecology and Obstetrics

Email: hodvgo@gmail.com, Mob. +91 161 2414003

COURSE COORDINATORS

Dr Mrigank Honparkhe

Gynaecologist

Email: mhonparkhe@gmail.com

Mob. +91 9417019974, 6284109551

Dr Ashwani Kumar Singh

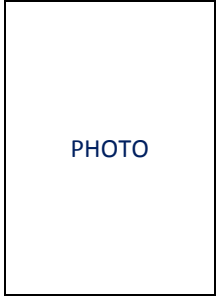
Assistant Professor

Email: assengar2001@yahoo.co.in

Mob. +91 9815752049

APPLICATION FORM FOR PARTICIPATION IN MODEL TRAINING COURSE
(To be sent directly to the Course Director)

Title of Course : _____
 Duration : From | _____ | To | _____
 1. Full Name (in Block Letters) : _____
 2. Designation : _____
 3. Present Employer and Address : _____
 4. Address to which reply should be sent (in Block letters) : _____
 E-mail ID : _____
 Phone/Fax/Mob : _____
 5. Permanent Address : _____
 6. Date of Birth : _____
 7. Sex : Male Female
 8. Marital Status : Married Unmarried
 9. Mention if you have participated in any summer/winter/short course etc. under ICAR/other organizations: _____



10. Academic Record: (Degree Onwards)

Examination Passed	Subjects Main/Subsidiary	University or Institute	Year of Passing	Class, Ranks, Distinction etc.
Bachelor Degree				
Master Degree				
Ph. D.				
Others				

11. Professional Experience

Sr. Post Held Period with Dates

Date: _____

Place: _____

Signature of Applicant

12. Recommendation of forwarding Institute

Signature with seal

CERTIFICATE

It is certified that the information has been furnished from the office record and was found correct

Date: _____

Signature and Designation of the Sponsoring authority with address