ICAR SPONSORED

10-Day SHORT COURSE

ON

Cutting-Edge Advances in Veterinary Nephrology, Dialysis and Critical Care:

Emerging Concepts and Clinical Applications



20-29th January, 2027

Multi-Speciality Veterinary Hospital



Organized by

Director of Clinics,
Department of Teaching Veterinary Clinical Complex

Dean,
College of Veterinary Science, Ludhiana

Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana, Punjab

Course Director
Dr. Randhir Singh

Course Coordinators
Dr. Gurpreet Singh Preet &
Dr. Raj Sukhbir Singh

ABOUT THE COURSE



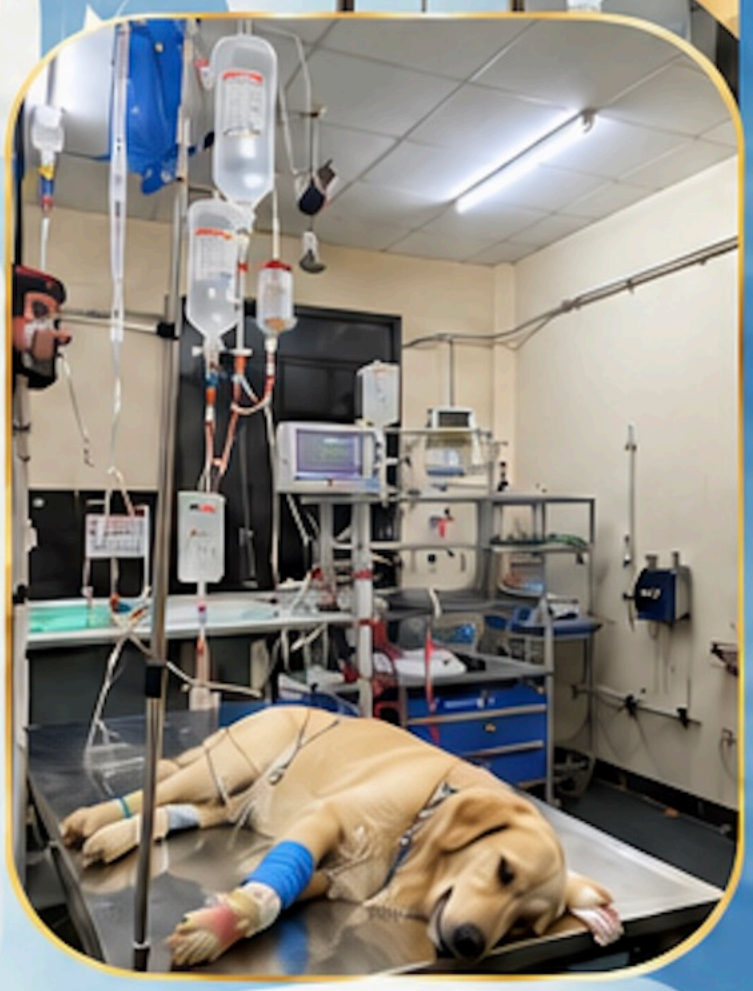
This 10-day ICAR-sponsored short course is designed to provide comprehensive and **hands-on training** on the **latest advances in veterinary nephrology, dialysis and critical care.** The course integrates theory with **real clinical cases**, practical sessions and **interactive learning** to build confidence and competence in the diagnosis, management and advanced treatment of renal and critically ill small animal patients, with special emphasis on **advanced diagnostics, blood gas analysis and practical skill stations.**

COURSE OBJECTIVES

- To update participants on recent advances in veterinary nephrology, dialysis and critical care.
- To develop practical skills in diagnosis, monitoring and management of renal and critically ill patients.
- To enhance understanding of advanced renal replacement therapies including IHD, OL-HDF and CRRT.
- To promote evidence-based, multidiscipilinary and team-based clinical decision making.



COURSE CONTENTS



Veterinary Nephrology

AKI & CKD | Diagnostic Approach | Medical Management

Dialysis

IHD | OL-HDF | CRRT | Prescription & Monitoring | Mastering the Access to Life | The Dialysis Boot Camp

Critical Care

Fluid Therapy | Ventilation | Monitoring | Emergency Care
Cracking the BGA Code | The Critical Care Accelerator | The Critical Care Skill Station

Imaging

Renal & Urinary Tract Ultrasound | POCUS | Doppler Imaging
Radiography | Interventional Imaging

Case Based Learning

Real-time Clinical Cases | Problem Solving | Interactive Discussions

From Advanced Techniques to Better Patient Outcomes

ABOUT THE DIALYSIS & CRITICAL CARE UNIT

Where Advanced Veterinary Renal Care Meets Clinical Expertise

Established in 2019, the Dialysis Unit at Guru Angad Dev Veterinary & Animal Sciences University has evolved into a specialized center for advanced renal replacement therapy in companion animals, delivering life-saving extracorporeal support for complex & critical cases referred from throughout the country. Equipped with advanced hemodialysis platforms & supported by advanced imaging, critical care monitoring & diagnostic capabilities, the unit integrates clinical excellence, expertise & practical training. Its pioneering implementation of Online-Hemodiafiltration in dogs represents a significant milestone in Veterinary Nephrology. Likewise, the Critical Care Unit is equipped with advanced life-saving support including ICU oxygen cages, ventilators, portable X-ray, ultrasound, high-flow oxygen meter, and hemato-biochemical analyzer. Further, the ICAR-supported Experiential Learning Projects on dialysis & critical care are transforming the units into a dedicated educational hub for advanced veterinary clinical training in India.







ABOUT LUDHIANA

The Spirit of Punjab

Ludhiana is where the old soul of Punjab meets the pulse of a modern, enterprising India. Born in the Lodhi era & shaped by the Sutlej, the city has grown into Punjab's industrial & educational powerhouse-yet retaining the warmth, color & hospitality for which Punjab is celebrated. Known as the 'Manchester of Punjab', Ludhiana embodies enterprise, vitality, tradition, & service. For visitors it provides more than a destination- it offers an immersive experience of Punjab & a premier environment for intellectual exchange, knowledge sharing, & advanced Veterinary expertise aligned with global standards. From January 20-29, the weather in Ludhiana is expected to be characteristically cold, crisp & wintery making heavy winter jacket, woolen overcoat, or a thick down puffer coat essential.



ELIGIBILITY CRITERIA

Degree of M.V.Sc./ PhD in any field of Veterinary Science, preferably clinical subjects like Vety Medicine, Vety Surgery & Radiology, Vety Gynecology & Obst., and working not below the rank of Assistant Professor & equivalent under SAUs/ ICAR institutes and SMS under ICAR KVKs.

HOW TO APPLY

Eligible candidates are required to submit their filled-in application along with their brief biodata (Max 2 pages) via email to dr.randhirlo@gmail.com. Payment of registration fee of Rs. 50/- (inclusive of GST) is required only when candidature is accepted and intimated to the applicant by email.

LAST DATE TO APPLY

6th December, 2026

BOARDING, LODGING & T.A.

Free boarding & lodging will be provided in the university guest house on a sharing basis. The participants will be paid T.A. as per applicable norms by train from the place of working by the shortest possible route restricted to AC- III tier for Rajdhani, Shatabdi & Vande Bharat Express. Due to limited accomodation accompanying persons are not allowed.

SELECTION OF PARTICIPANTS

Twenty-five (25) participants will be selected for the short course after screening on the basis of their discipline & research area pertaining to this short course. Selection confirmation will be provided to the candidates via e-mail.

For further details contact:

Dr. Randhir Singh, Assistant Professor & Course Director | **Email: dr.randhirlo@gmail.com** | **Mobile: 8146414161**

APPLICATION FORM

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Emerging Concepts and Clinical Applications.

20–29th January, 2027

Multi-Speciality Veterinary Hospital,
Guru Angad Dev Veterinary & Animal Sciences University,
Ludhiana, Punjab.

1. PERSONAL INFORMATION

Full Name (in block letters) : .....
Designation : .....
Present employer and address : .....
.....
Address of Correspondence : .....
.....
Permanent Address : .....
Mobile / WhatsApp Number : .....
E-mail : .....
Date of Birth : ..... Sex (Male / Female / Other) : .....
Marital Status (Married / Unmarried): .....

2. ACADEMIC AND PROFESSIONAL DETAILS

Teaching / Research / Professional Experience (mention post held during last 5 years and number of publications) : .....
.....
.....
Have you participated in any training (Summer / Winter School / Short Course, etc.) during last 5 years under ICAR / other organizations: Yes / No. If yes, give details : .....
Name of the Institute, Title of the training : .....

3. ACADEMIC RECORD

Exam. passed	Specialization / Major Discipline	Year of Passing	University / Institution
M.V.Sc.			
PhD			
Other (specify)			

4. DECLARATION BY THE APPLICANT

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

Date: _____

_____
Signature of the Applicant

5. RECOMMENDATION OF THE FORWARDING INSTITUTE

_____
Signature of the Forwarding Authority
with Seal and Date

6. CERTIFICATE

It is certified that the information furnished above is correct. Travel allowance will be paid / not be paid by this office.

_____
Signature of the Sponsoring Authority
with Seal and Date

Submit this duly filled application form to **dr.randhirlo@gmail.com**