

PREAMBLE

The large and small animal internal medicine is rapidly growing field in Veterinary Medicine in the developing countries in the recent past. The number of referral cases presented to Teaching Veterinary hospital is on increasing trend. A thorough knowledge on the anatomy, physiology and biochemistry is highly essential in the diagnosis and treatment of various system/organ abnormalities. The new curriculum pattern of Veterinary Council of India has emphasized on topographic and clinical anatomy, clinical physiology and clinical biochemistry. Clinical skill on diagnostic and therapeutic procedures need a thorough knowledge on anatomy and physiology of the organ/system involved. The capacity building of the veterinary clinical facilities in the area of skill on clinical procedures and clinical biochemistry is need of the hour for better health care management of farm animals and pet animals.

To achieve the goal of updating the knowledge and skills of the Faculty Members and Scientists employed at SAUs / SVUs / ICAR Institutes in the field of Veterinary Medical Sciences and Allied Sciences this Center has planned to conduct the National Training with its excellent clinical resources and facilities.

INSTITUTION

The Madras Veterinary College is an institute of international eminence in India, with 110 years of Excellence in Veterinary Medicine and allied Sciences. It serves as a Centre of excellence in India in the field of clinical veterinary medicine.

The other features include

- **Tertiary Care Veterinary Teaching Hospital with more than 110 years of clinical excellence.**
- **Out patient medical practice with a case load of 150 to 200 per day. Dedicated small animal in-patient unit with round the clock veterinary care.**
- **Well equipped round the clock emergency and critical care and support services.**

STATE OF THE ART FACILITIES

State of the art Referral Clinics and Specialty practices for Ruminant Gastroenterology, Udder Clinic & Mastitis Laboratory, Cardiology, Critical Care, Nephrology and Dermatology and excellent human resources are available.

Critical Care Medicine: CCU with facilities for Life support, Blood transfusion, Critical care monitoring, Coagulometry, ABG and Hemodialysis.



Medical Imaging: Ultrasonography of abdomen, Echocardiography, Colour Doppler studies, Equine and Ruminant Ultrasonography.

Endoscopy: State of the art video endoscopy for Otoscopy, Tracheo-bronchoscopy, Upper & lower GI endoscopy & Genitourinary endoscopy.

Ruminant Gastroenterology: Video assisted Rumen fluid analysis, large animal endoscopy & Ultrasound imaging. **Cardiology:** ECGs, Blood Pressure, Digital Phonocardiography, Echocardiography, Colour Doppler scan and Digital Holter monitoring, Exercise ECG, 12 Lead ECG and Tele cardiology.

COURSE OUTLINE

Theory titles and the lecturers are Clinical Neuroanatomy of Small Animals -Dr.Geetha, Clinical anatomy of thoracic cavity dogs and cats-Dr.T.A.Kannan, Clinical anatomy of abdominal cavity in small animals Clinical anatomy of eye and neuro-ophthalmology -Dr.Sabiha Hayath Bhasa, Clinical anatomy of ruminant digestive system- Dr.Ushakumari, Principles and practices of fluid therapy in Veterinary practice -Dr.S.Prathaban, Bleeding Disorders in Dogs: Protocols in Investigation & Management Current update on dermatological ailments in dogs - Dr.A.P.Nambi, Current update on renal disorders in dogs - Dr.S.R.Srinivasan, Current concepts in Shock and its management Dr.P.Selvaraj, Current update ocular disorders in dogs - Dr.P.S.Thirunavukkarasu, Applied Physiology for gastrointestinal system in Small Animals Dr.Thangavelu, Applied Physiology for Cardiovascular Medicine -Dr.Leela, Update on Blood pressure and hypertension in small animal practice - Dr.S.Kavitha, Biomarkers for cardiac and respiratory diseases-Dr.R.Pandian, Current update on respiratory diseases in small animal practice-Dr.B.Nagarajan, Recent advances in oxygen therapy and Mechanical ventilation in animals Environmental pollution and Animal Health: Current Scenario -Dr. M.Balagangatharathilagar, Update on congestive heart

failure in small animals - Dr.K.Jeyaraja, Update on gastrointestinal diseases in small animal practice Dr.S.Kavitha, Current principles and practices in canine cancer Medicine Principles and practices in Mastitis and udder disorders-Dr.M.Chandrasekar, Biomarkers for diagnosis and prognosis of disorders of digestive system for dogs - Dr.Loganathasamy, Current Clinical Techniques & Protocols in Bovine Reproduction - Dr.S.A.Asokan, Principles and practices on hepatic disorders in ruminants - Dr.B.Gowri, Update on hepatobiliary disorders in small animal practice Current update on urological disorders - Dr.D.Sumathi, Basics on electrolyte disorders and oral rehydration therapy-Dr .D.Chandrasekar, Updates in veterinary antido - Dr.Sarath Chandra, Current update on transfusion medicine-Dr.G.R.Baranidharan, Clinical Anatomy, Physiology, biochemistry in Indian Elephants-Dr.M.G. Jeyathangaraj, Canine Reproductive Disease Diagnosis & Management Dr.Cecilia Joseph, Update in internal and external fixation of fracture in small animal practice - Dr. Ayyappan, Update on Metabolic disorders in ruminants - Dr.C.S.Arunaman, Current Protocols in Clinical Pathology - Dr.S.Vairamuthu, Current advances on equine respiratory disorders - Dr C.Jeyanthi, An update on internet resources in veterinary practice-Dr.M.Rathinasabapathy, Principles and practices in Veterinary Radiology - Dr.R.Jeyaprakash

Practical Session includes Clinical anatomy-cattle, Small Animal Abdominal Ultrasonography, Clinical anatomy-Dog Practical Session: Clinical Procedures in Small Animals, Clinical anatomy horse, Small Animal Endoscopy, Applied physiology- ECG and Blood Pressure, ECG techniques and Blood pressure monitoring, Neurological examination in dogs, Small animal bronchoscopy & Rhinoscopy, Rumen Fluid Analysis:& Oral rehydration therapy Clinical Laboratory Practice, Advanced radiographic techniques in Veterinary Practice, Bovine Ultrasonography Equine endoscopy, Doppler Echocardiography and Blood Transfusion & Blood Banking.

COURSE DURATION

21 days (From 01.07.2014 to 21.07.2014)

ELIGIBILITY

Interested Veterinary Professionals working as Faculty / Scientists in the field of Veterinary Clinical Sciences as well as other branches of Veterinary and Animal Sciences employed at SAUs / SVUs / ICAR and Central Institutes.

VENUE

Centre of Advanced Faculty Training in
Veterinary Clinical Medicine, Ethics and Jurisprudence,
Madras Veterinary College, Chennai – 600 007
Tamil Nadu.

TRAVEL AND ACCOMMODATION

The Participants have to make their own travel arrangements **well in advance**. The Centre will bear the travel expenses of the trainees by the shortest route as per their entitlement class of travel, which however is restricted to the maximum of II AC by train or bus as per ICAR norms. Lodging and boarding will be provided in the teachers' hostel.

Responsibility of accommodating the family members, if any, (including their care) will be entirely of the participant.

LOCATION AND SEASON

Chennai is well connected by Air, Rail and Roads from all Major Cities of India. The training period would be the comfortable season in Chennai with temperatures ranging from 30°C to 35°C.

HOW TO APPLY?

The participants' application will be received online (ICAR mandate) using CBP vortal through <http://iasri.res.in/cbp> or under the link Capacity Building Program at <http://icar.org.in>. After filling the online application, take a printout of the application and get it approved by the competent authority of the organization and Upload the scanned copy of application through CBP vortal on or before **20.06.2014**. Selection of participants will be from online applications and the selected participants list will be uploaded/ displayed on the vortal.

However, he / she may send an advance copy (via e-mail) directly to the course director. The selected candidates will be informed individually also. The participants are requested to keep in contact with the course director regarding their selection status and make necessary advance travel bookings to enable hassle free travel to and fro.

The participants are requested to undertake journey to attend the training only after confirmation of their selection.

CONTACT PERSON:

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National Training Programme on

“PRINCIPLES AND PROTOCOLS OF APPLIED ANATOMY,
PHYSIOLOGY AND CLINICAL BIOCHEMISTRY IN
FARM AND PET ANIMAL PRACTICE”

01.07.2014 - 21.07.2014 (21 Days)

Proforma of Application

(Valid e-mail IDs are mandatory for all applicants and
please give Mobile Phone Number without fail)

1. Name:
E mail ID:
Mobile / Phone No.:
2. Designation:
3. Address (Office, Residential and University Address):
4. Age, Sex and Marital status:
5. Date of Joining in University/ICAR &
Total Service in University/ICAR:
6. Field of Specialization:
7. Experience in University/ICAR:
8. Any other relevant particulars:
9. Address to which communication has to be sent
(provide Official & Residential address with phone,
Mobile no . E-mail & Fax):
10. Accommodation (only for participant)
required / not required
11. Expertise, if any:
12. Other Details, if any

Signature Recommendation of the Sponsoring
authority Signature with Designation Seal

Date:



National Training Programme
on
**PRINCIPLES AND PROTOCOLS
OF
APPLIED ANATOMY, PHYSIOLOGY AND
CLINICAL BIOCHEMISTRY
IN
FARM AND PET ANIMAL PRACTICE**
1st July to 21st July 2014 (21 days)



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TAMIL NADU VETERINARY AND ANIMAL SCIENCES
UNIVERSITY