

Rajiv Gandhi Institute of Veterinary Education and Research
Kurumbapet, Puducherry – 605009

1. Title of the Short-Term course/programme: Veterinary Laboratory Diagnosis
2. Type of the course: PG Diploma
3. Department: Veterinary Pathology
4. Duration of the course: 1 year
5. Proposed start dates: (Month/Year): September
6. Detail of Faculty associated with the course

	Principal Faculty	Co-Principal Faculty
Name	Dr.S.Poobitha	Dr.R.Kumar
Designation	Assistant Professor	Professor & Head
Contact No.	9629330674	9443631908
Email	drboovi@gmail.com	kumarvpp@river.edu.in

7. Proposed invited experts (if any):
 - i. Dr.M.G.Nair, Professor & Head (retired), RIVER, Puducherry.
 - ii. Dr.S.Vairamuthu, Professor & Head, TANUVAS, Chennai.
8. About the course, scope and objectives (should not be less than 250 words):
 - To determine the cause of disease using laboratory techniques
 - To correlate the alterations in body fluids with that of clinical manifestations
 - Accurate diagnosis and support the clinicians in the treatment of animals

Clinical pathology is a branch of pathology which deals with the diagnosis of disease based on the laboratory analysis of bodily fluids such as blood, urine and tissues. Clinical pathology is the bridge connecting science and medicine. It serves as the foundation for all aspects of patient care, from advanced genetic technologies and disease prevention to diagnostic procedures and treatment recommendations. The importance of these disciplines in modern

pathology is emphasized by various statistics showing that 85% of diagnosis is made on the basis of pathology testing. Hence, clinical laboratories have assumed a major role in the prevention, diagnosis, prognosis and treatment of disease. Besides, laboratory tests can provide data that help veterinarians to screen early risk factors; consequently choose preventive and less- invasive actions, monitor suitable remedy, and track the fate of diseases.

Topics to be covered: (Theory/Practical)

- Haematological alterations in health and disease
- Urine analysis and its interpretation
- Biochemical profile of blood/plasma/serum and its correlation with disease conditions.
- Faecal examination for identification of parasites
- Role of cytology and biopsy in diagnosis

Expected outcome

- Knowledge of alterations in body fluids in disease.
- Ability to correlate the history, clinical manifestation of disease with that of the clinico-pathological changes
- Aid in the diagnosis of diseases and therapy

9. Target Groups (participants): B.V.Sc & A.H

10. Fee: Rs.20,000