

Asian Veterinary Pathology Congress - 2017

Bengaluru, India

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ASIAN VETERINARY

PATHOLOGY CONGRESS -

2017

9-11 November 2017

TECHNICAL PROGRAMME

Time	KVC Auditorium	KVC Conference Hall	Poster Arena
8.00-9.00 AM	Registration at KVC		
9.00-11.30 AM	Inaugural Function		
11.30-12.00 PM	Tea Break		
12.00-13.30 PM	Session-I: Thematic Lecture and ASVP Session		
13.30-14.15 PM	Lunch Break		
14.15-16.00 PM	Session-II: ASVP Session	Poster Session-P-I. New Horizons in Disease Diagnosis	Poster Session-P-II: Wild Animal and Aquatic Animal Pathology
16:00-18:00PM	Session-III: Farm Animal Pathology		

Day 2- Friday
(10-11-2017)

9.00-11.00 AM	Session-IV: New Horizons in Disease Diagnosis	Session-V: Wild Animal Pathology and Aquatic Animal Pathology	Poster Session P-III: Poultry Disease Diagnosis Poster Session P-IV: Toxicopathology and Lab Animal Pathology
11.00-11.30AM	Tea Break		
11.30-13.30 PM	Session-VI: Memorial Lectures and Dr. PP Gupta Oration Session		
13.30-14.15 PM	Lunch break		
14.15-16.00 PM	Session-VII: Poultry Disease Diagnosis	Session-VIII: Pet and Companion Animal Pathology	Poster Session P-V: Farm Animal Pathology Poster Session P-VI: Molecular Pathology and Oncology
16.00-18.00 PM	Session-IX : Young Scientist Award Oral Presentation and Prof. S. Ramachandran Session		
18.00-21.30 PM	IAVP GB Meeting	ICVP GB Meeting	

Day 3- Saturday
(11-11-2017)

9.00-11.00 AM	Session-X: Toxicopathology and Laboratory Animal Pathology	Session-XI: Molecular Pathology and Oncology	Poster Session P-VII: Pet and Companion Animal Pathology Poster Session P-VIII: Clinical Pathology
11.00-11.30AM	Tea Break		
11.30-13.30 PM	Session-XII: ICVP Session	Session-XIII: Clinical Pathology	
13.30-14.15 PM	Lunch Break		
14.15-15.30 PM	Plenary Session		
15.30-18.00 PM	Valedictory Function and Award Ceremony		

Asian Veterinary Pathology Congress – 2017

Bengaluru, India

Session-wise Presentations

SESSION -I: THEMATIC LECTURE

Sl. No.	Title
	IAVP Thematic Lecture – 2017
1.	Current issues and challenges in the diagnosis and control of Poultry diseases R. N. Sreenivas Gowda

SESSION- II: ASVP SESSION

Sl. No.	Title
1.	Stem cell applications for sarcopenia of companion animals Eun-Joo Lee, Eun-Mi Lee, Ah -Young Kim, Myung-Jin Chung, Ahmed K. Elfadl, Yong-Deuk Kim, Soong-Gu Ghim, H M Arif Ullah, Tae-Hwan Kim, Jin-Kyu Park, Sul-Gi Joen, Kyu-Shik Jeong*
2.	Veterinary pathology in Taiwan and researches related to pathological diagnosis and pathogenesis study Wen-Ta Li, Hui-Wen Chang, Victor Fei Pang, Chian-Ren Jeng*
3.	Establishment of a thymidine kinase deficient cell line (MCM/IPB-B3) derived from a canine mammary gland benign mixed tumor (MCM-B2) cell line Bambang Pontjo Priosoeryanto*
4.	Production and application of recombinant DNA/protein-based technology for viral disease diagnosis in Veterinary medicine Somporn Techangamsuwan* , Surangkanang Chaiyasak
5.	Toe tumour pathology of camels Maher M. ., Al-Sultan, I.I., S. Jasni*, Rahman A.
6.	Veterinary Pathology education in India: A brief overview R. Somvanshi*

7. Updates on zoonotic diseases transmitted from bats in the Philippines
Joseph S. Masangkay

SESSION- III: FARM ANIMAL PATHOLOGY

Invited Lectures

Sl. No.	Title
1.	Status, diagnosis and control of foot-and-mouth disease in India A Sanyal
2.	An overview of diseases of dairy cattle calves Vipan K Gupta
3.	Porcine reproductive and respiratory syndrome: An emerging threat to the pig population of India Tridib Kumar Rajkhowa
4.	Acute phase response in lung injury of cattle MadhuSwamy
5.	Calf mortality with special reference to viral etiology D. V. Joshi

Oral Presentations

Sl. No.	Ref. ID	Title
1.	FAP-01	Pathological process, detection, localization and comparison of diagnostic test for Mycoplasma bovis involved in naturally occurring pneumonia in bovine ca Pankaj Goswami*, Harmanjit Singh Banga, Vishal Mahajan

2. FAP-02 Pathological and immunohistochemical detection of atypical case of neuroaflatoxicosis in goat kids under natural condition
Monalisa Sahoo*, Palanivelu Munuswamy, Rajendra Singh, Karampal Singh, Telang AG, Anil Kumar Sharma
3. FAP-03 Pathology of Post Weaning Multi-Systemic Wasting Syndrome associated with chronic Classical Swine Fever and Porcine Parvo Virus infections in an organized swine farm, Rajasthan
Tareni Das*, Menaka Sethi, Neelam Tomar, Beena V, Jeny K John, Saikumar G
4. FAP-04 Pathology and molecular detection of Porcine circo virus (PCV-2) in Assam
Biswajit Dutta*, Nagendra Nath Barman, Taibur Rahman, Amrit Gogoi, Parikshit Kakati

5. FAP-05 Pathology of experimentally induced Clostridium perfringens Type D enterotoxemia in adult goats
Neeraj K Gangwar*, Rajveer Singh Pawaiya, Gururaj Kumaresan, Desh Deepak Singh, Aarti Marskole, Dimple Andani, Tarun Kumar Gautam, Ashok Kumar, Rashmi Singh, Manoj Kumar Singh, Saket Bhushan
6. FAP-06 Pathology of enteritis caused by Shiga toxin producing E. coli in neonatal goats
Aarti Marskole*, Rajveer Singh Pawaiya, Gururaj Kumaresan, Neeraj K Gangwar, Desh Deepak Singh, Rajendra Singh, Anil Kumar Mishra, Dimple Andani, Ashok Kumar, Anil Kumar Sharma, Vivek Kumar Gupta
7. FAP-07 Pathology and immunohistochemical detection of PPRV antigen in atypical organs of goats infected with PPR under natural settings
Monalisa Sahoo*, Rajendra Singh, Karampal Singh, Dinesh, M. Suraj Baloni
8. FAP-08 Ovine neoplasms - Review
Srilatha Chintamaneni*

9. FAP-09 Histopathology and detection of viral antigens in pneumonic lung tissues of sheep and goats
Javeed Dar*, Pawan Kumar, Vidya Singh, Shailendra Singh, Monalisa Sahoo, Gayatri Kashyap, Rajendra Singh
10. FAP-10 Several pathological and molecular characteristics of the Classical Swine Fever virus circulating in Vietnam
Bui Thi To Nga*, Le Van Phan, Nguyen ThiLan, Nguyen Huu Nam, Bui Tran Anh Dao,
Nguyen Phuc Hung, Ryoji Yamaguchi
11. FAP-11 Prevalence of metacestodiosis in slaughtered caprines in Marathwada region of Maharashtra state
Amey Wagh*
12. FAP-12 Surveillance and monitoring of foot-and-mouth disease virus nonstructural and structural protein antibodies in indigenous goats of Andaman & Nicobar islands
Manoranjan Rout*, Arun De, Jai Sunder, Kamal Pargai

13. FAP-13 Evaluation of inactivated Mycobacterium avium subspecies paratuberculosis vaccine in experimentally challenged Mandya breed of sheep
Ramesha C. B*, Rathnamma D, Narayana Swamy H. D, Isloor S, Veeregowda B. M, Narayana Bhat M, Mukartal S.Y, Manjunath S. S, Siddalingamurthy H. K, Pannaga P, Sreesujatha R. M.
14. FAP-14 Sero-monitoring of Maedi and CAE in sheep and goats
Javeed Dar*, Pawan Kumar, Vidya Singh, Shailendra Singh, Monalisa Sahoo, Rahul Singh, Rajendra Singh
15. FAP-15 Pathology of Epitheliogenesis imperfecta - An inherited disorder of Piglets
Girish B.C*, Shilpa V.T, Manjunatha K.P, Prashanth A.G, Roopadevi Y.S, Shivakumar M.C
16. FAP-16 Pathomorphological and PCR detection of Ovine progressive pneumonia (Maedi) cases in slaughtered sheep in India
Rahul Singh*, Javeed Dar and Rajendra Singh

17. FAP-17 Foot and Mouth Disease Virus: Abortion and vertical transmission in cattle under natural condition
Rajeev Ranjan*, Jitendra Kumar Biswal, Saravanan Subramaniam, Karampal Singh, Pattnaik, B.
18. FAP-18 Seasonal prevalence of gastrointestinal parasites in goats of Kumaon hill of Uttarakhand
Chandrakanta Jana*, Sankar Muthu, Ravi Kumar Khare, Preety Singh and Muthuchelvan, D. D.
19. FAP-19 Investigation of Sheep Pox disease outbreak in fattening lambs in Karn
Manjunatha Reddy G. B*, Sumana, Kiran Kumar K, Apsana R, Yogisharadhya R, Awadesh Prajapati, Govindaraj G, Balamuragan V, Patil S. S, Parimal Roy
20. FAP-20 Pattern of lung lesions in Escherichia coli and Klebsiella spp. associated caprine pneumonia
Vikas Galav*, SharmaS. K, Agarwal M, Tiwari R. K, Kumar B.

21. FAP-21 Outbreak of porcine reproductive and respiratory syndrome (PRRS) in an organized piggery farm in Karnataka
Shivashankar B. P*, Chandranaik B. M, Shivaraj, Manjunatha V, Shankar B. P, Venkatesha M. D, Byregowda S. M
22. FAP-22 Pathology of intestine & diagnosis in relation with enteropathogenic E. coli
Neethu George
23. FAP-23 Papillomatosis in Mithun under semi-intensive and free ranging condition
Vidya Singh*, Akhilesh Kumar, Jayanta Chamuah, Rajkaran Singh, Kobu Khate, Chandan Rajkhowa
24. FAP-24 Studies on the pathology of lymph nodes in buffalo
Vaishya A. K, Niyogi D, Tripathi K. K, Singh, S. V*, Abhishek Mishra
25. FAP-25 Spatio-temporal epidemiological analysis of livestock diseases of Maharashtra state
Krishnamoorthy Paramanandham*, Tatwarthy S. B, Suryawanshi S. N, Bibek Ranjan Shome, Parimal Roy

26.	FAP-26	First report on occurrence of Echinococcus canadensis G6 strain in a Dromedary camel of India Shirish Narnaware*, ShyamDahiya
27.	FAP-27	Laboratory diagnosis of rabies in animals by FAT and histopathology Palvi Thakur*, Bhupinder Singh Sandhu, Charan Kamal Singh
28.	FAP-28	An accidental death of a pregnant gilt Sarojini M. Tamuli*, Tirtha Nath Upadhyaya, Kabita Sarma

Poster Presentations

Sl. No.	Ref. ID	Title
1.	FAP-29	Pathogenic characterisation of Porcine Reproductive and Respiratory Syndrome virus of Indian origin in experimentally infected piglets Senthilkumar D, Rajukumar K, Arnab Sen, Manoj Kumar, Deepali Shrivastava, Semmannan Kalaiyarasu, Siddharth Gautam, Fateh Singh, Diwakar D Kulkarni, Vijendra Pal Singh

2. FAP-30 Seroprevalence of caprine brucellosis in selected organized herd
Bhaveshkumar Trangadia, Mahesh Chandra Prasad
3. FAP-31 Cysticercus tenuicollis infection in goats from western Vidarbha, India
Madhuri Hedau*, Ranjit Ingole
4. FAP-32 Pathology of coccidiosis in small ruminants
A C Satish*, K Nagarajan, Balachandran C, Chinnaiyan Soundararajan
5. FAP-33 Pathomorphological findings in Cysticercosis in sheep
Mahesh Manyam*, Annapurna Pillutla, Rama Devi V, Venkata Subramanyam Kothapalli, Malakondaiah P
6. FAP-34 Clinicopathological studies on Actinomycosis in buffaloes
Babu Lal Jangir, Paramjeet Kalkot, Shailja Pandey*, Gauri A. Chandratre, Deepika Lather, Sandeep Saharan, Vikas Kishore
7. FAP-35 Pathobiological studies on Mycobacterium bovis associated granulomatous pneumonia in an adult cow
Deepika Lather*, Gulshan Narang, Aman Kumar Sinha, Babu Lal Jangir, Maneesh

8. FAP-36 Clinical signs and symptoms, gross and histopathology of Porcine Reproductive and Respiratory Syndrome (PRRS) in naive and naturally infected pigs of Mizoram: A detailed study
Amrit Gogoi, TK Rajkhowa
9. FAP-37 Mortality in sheep: An investigation report
Shashidhar Ballari*, Shivakumar Radder, Prashanth A. G, Poonam Chavan,
Sangamesh Khelgi
10. FAP-38 Incidence and pathological studies on cysticercosis in slaughtered pigs
Sree Vidya K.P*, Satheesh Kokila, Rama Devi V, Lakshmi Kavitha K, Nagamallika E
11. FAP-39 Antibiotic sensitivity pattern studies on bacterial strains isolated from lamb carcasses affected with disorders of digestive and respiratory systems
Sushma*, Vikas Nehra, Deepika Lather, Babu Lal Jangir

12. FAP-40 Foot and Mouth Disease virus ecology in cattle and buffalo under natural condition in India
Rajeev Ranjan*, Jitendra Kumar Biswal, Saravanan Subramaniam, Karampal Singh, Pattnaik B
13. FAP-41 Evaluation of immunochromatographic assay and Rose Bengal Plate test for the diagnosis of caprine Brucellosis
Bhaveshkumar Trangadia, Mahesh Chandra Prasad
14. FAP-42 Concurrent infection of Paratuberculosis (Johne's disease) and parasitic infestation in Mandya sheep
Srikanth M, Narayana Swamy H. D, Suguna Rao, Satyanarayana M. L, Rathnamma
Doddamane, Manjunatha S. S, Siddalinga Murthy H. K
15. FAP-43 Outbreaks of tetanus in Hanwoo cattle associated with foot and mouth disease vaccine injection
Lee Kyunghyun*, So Byngjae
16. FAP-44 Prevalence and pathology of coccidiosis in calves
Archana Bharti, Madhu Swamy, Amita Dubey, Sandeep Dwivedi*

17. FAP-45 Special staining procedure in tissues from dead kids affected with digestive and respiratory disorders
Sushma*, Vikas Nehra, Deepika Lather, Babu Lal Jangir
18. FAP-46 Pathology of lung disorders in sheep
Raghavendra L. Y, Narayanaswamy H. D, Satyanaryana M. L, Suguna Rao, Jamuna K.
V, Veeregowda B. M, Harshitha C. R.
19. FAP-47 Pathomorphological and histopathological study of Paramphistomosis in Goverdhan Singh
20. FAP-48 Pathological and bacteriological investigation of severe suppurative bronchopneumonia in swine: A case report
Menaka Sethi*, Tareni Das, Neelam Tomar, Beena Vamadevan, Guttula Saikumar
21. FAP-49 Pathomorphological findings of lightning stroke in a flock of sheep
Mohanapriya T*, Balamurugan Natarajan, Thangapandiyan M

22. FAP-50 Ultrastructural Studies on Paratuberculosis (Johne's Disease) in Sheep
Srikanth M*, Narayanaswamy H. D, Sathyanarayana M. L, Suguna Rao, Manjunatha S
S, Vijaya Kumar N, Sarvesha K
23. FAP-51 Generalized tuberculosis in a buffalo: A case report with pathological, cultural and immunohistochemical investigation
Saminathan M*, Karikalan Mathesh, Rishendra Verma, Madhulina Maity, Rajendra Singh, Karampal Singh
24. FAP-52 Occurrence of granulomatous disease in an adult Sahiwal cow: A case r
Vikas Nehra*, Deepika Lather, Gauri A. Chandratre, Vikash Sharma
25. FAP-53 Pathology of Pimply gut (Oesophagostomiasis) in Sirohi goats
Girish B.C., Ambujakshi T.C., Shilpa V.T., Manjunatha K.P., Jayaramu G.M.

26. FAP-54 Hepatogenous photosensitization in a sheep
Roopadevi Y.S.*, Shilpa V.T, Manjunath K.P, RavikumarPuttamallappa, GirishBekkare
Thoracic abscess and pulmonary granuloma associated with traumatic reticulo
27. FAP-55 pericarditis in a cross bred cow
Krupa TL*, Prasanna KS, Kavya M, Sumanth Bedre, Anoopraj R, Hamza Palekkodan, Ajith Jacob George, Pradeep M
Occurrence and histopathological studies of intestinal obstruction in
28. FAP-56 cattle of Rajasthan
Sarjna Meena*
29. FAP-57 Clinico-pathological investigation of Foot and Mouth disease in Mithun
Vidya Singh*, Akhilesh Kumar, Jayanta Chamuah, Rajkaran Singh, Debojyoti Borkotoky
30. FAP-58 Fat emboli in the heart of Horse – A necropsy report
Shalini Londhe*
31. FAP-59 Mammary tuberculosis in buffalo Cow
Poorna Chandhar. I*, Madhu Swamy, Yamini Verma, Amita Dubey

32. FAP-60 A rare case of cutaneous fibroma in cattle: Its histopathology and immunohistochemistry
Tareni Das*, Nilakantha Das, Monalisa Sahoo, Dinesh M, Vineetha S, Madhulina Maity, Menaka Sethi, Beena V, Jeny K John, Neelam Tomar, Saikumar G
33. FAP-61 Right-sided displacement of the abomasum in a Cross-bred cow
R. Kumar*, A.W. Lakkawar, C. Nadhiya, S. Uma, M. Gopalakrishnan Nair
34. FAP-62 Interstitial nephritis in Desi pigs (Sus domesticus)
K. Azhagumuthaiyan*, R. Kumar, A. W. Lakkawar, M. Gopalakrishnan Nair, K.C. Varshney
35. FAP-63 Trypanosomiasis - A case report in non-descript bull
Atul Rathod*
36. FAP-64 Pathological studies of Paramphistomum cervi in goat
Utkarsh Wankhede*
37. FAP-65 Pathomorphology of intestinal coccidiosis in buffalo calf
Maneesh Sharma*, Babu Lal Jangir, K. K. Jakhar
38. FAP-66 Equine stem cell therapy for musculoskeletal injuries
Myung-jin Chung*, Kyu-shik Jeong

39. FAP-67 Mortality studies in lambs for a period of seven months
Sushma*, Vikas Nehra, Deepika Lather
40. FAP-68 Occurrence of cerebral theileriosis in a calf: A rare case report
Gauri Chandratre*, Babu Lal Jangir, Maneesh Sharma, Vikas Nehra, Deepika Lather
41. FAP-69 A case report of sebaceous adenoma in a cow
Sonu Sharma*, Ragini Hazari, B L Jangir, Deepika Lather, R P Gupta
42. FAP-70 Aspiration pneumonia in a calf
Pravin Rathod
43. FAP-71 Internal abscess and lymphadenitis in goats
Sandeep Dwivedi*, Madhu Swamy, Amia Dubey, Yamini Verma
44. FAP-72 A case of TRP and lung abscessation caused by multiple sharp objects in a cross bred cow
Shashidhar Ballari*, Rajendrakumar T, Naik D. T, Prashanth A. G, Manjunath D. R, Ravindra Bhoyar
45. FAP-73 Tapeworm impaction in goat intestine
Maneesh Jatav*, Yamini Verma, Madhu Swamy, Amita Dubey

46.	FAP-74	Mixed infection of Eimeriosis and E. coli in a day old kid – A necropsy Govind Gangane*
47.	FAP-75	Vegetative endocarditis in Large White Yorkshire Vanisankar Palagiri, Srilatha Ch, Sujatha K, Girish B. C, Ramanamurthy R. V, Nasreen A, Amaravathi M, Yugandher C, Gayathri G, Afthab R. Y
48.	FAP-76	Incidence and pathology of retention cyst in goat kidney Rohitash Dadhich*
49.	FAP-77	Urolithiasis in Berari goat kids: Case report Nagnath Bhojane
50.	FAP-78	Incidence and pathology of nephrocalcinosis in goat kidney Rohitash Dadhich*
51.	FAP-79	Nodular worm disease in goat Pravin Rathod
52.	FAP-80	Leptospirosis in Surti buffalo: A case report Pratik Kumar Panchal*
53.	FAP-81	Conventional and molecular approaches for the diagnosis of Brucellosis Nishanth C, Leena G

54. FAP-82 A case of fibroleiomyosarcoma of vagina in a cow
Nagaraja B. N, Amith N.G*, Dilip kumar D. N, Sandesh K. V, Lohitha H. D.
55. FAP-83 Isolation and molecular characterization of Mycobacterium avium subspp. paratuberculosis from ruminants in Karnataka
Mukartal S. Y,* Rathnamma D, Narayanaswamy H. D, Isloor S, Chandranaik B. M, Manjunatha S. S, Srikanth M, Ramesha C. B, Siddalinga Murthy H. K, Santhosh A. K.
56. FAP-84 Incidence of Orf viral infection in domestic small ruminants in Karnataka
Syeda Sumaiya, Suguna Rao, Satyanarayana M. L, Byregowda S. M, Chandranaik, Mohammed Junaid Ali, Vijay Kumar, Kavya N
57. FAP-85 Histopathological variations in contagious ecthyma lesions in sheep and goat
Syeda Sumaiya, Suguna Rao, Satyanarayana M. L, Byregowda S. M, Chandranaik, Mohammed Junaid Ali, Srikanth M, Prashanth A.G, Shashidhar Ballari

SESSION- IV: NEW HORIZONS IN DISEASE DIAGNOSIS

Invited Lectures

Sl. No.	Title
1.	Japanese encephalitis in India: Emerging trend G. Saikumar
2.	Digitalization of pathological specimens for e-learning in Veterinary Pathology M. Saminathan

Oral Presentations

Sl. No.	Ref. ID	Title
1.	NH-01	Quantification of cytokines by real time PCR for its role in Rabies virus infected mice Satish Mundas*, Suguna Rao, Sharangouda Patil, M.L Satyanarayana, Shivashanrappa Yalagod
2.	NH-02	Isolation and molecular characterization of Newcastle Disease virus from Poultry Nishanth C* P. K. Kapoor, Naveen Kumar, T. Riyesh, Naresh Jindal, Sanjay Barua, B. N. Tripathi
3.	NH-03	Development of recombinant antigen based ELISA for diagnosis of Brucellosis Leena G*

4. NH-04 Pulsed Field Gel Electrophoresis analysis of Staphylococcus aureus isolated from mastitis cases of cows
Shivaji Mehatre, Shivaji Deshmukh, Vinod Patil, Dewanand Kalorey, Sayajit Kale, Nitin Kurkure
5. NH-05 Pathology and molecular characterization of Porcine parvovirus circulating in India
Jeny K John*, Tareni Das, Neelam Tomar, Menaka Sethi, Beena V, Saikumar G
6. NH-06 Pathological and molecular diagnosis of Duck Virus Enteritis in Assam
Parag Jyoti Saharia, Tirtha Nath Upadhyaya, Biswajit Dutta, Sushanta Goswami, Nagendra Nath Barman

7. NH-07
Diagnosis of Johne's Disease using antigenically distinct proteins from the cell envelope of Mycobacterium avium subspecies paratuberculosis
Shanmugasundaram Karuppusamy*, Lucy Mutharia, David Kelton, Brandon Plattner, Sanjay Mallikarjunappa, Niel Karrow, Gordon Kirby
8. NH-08
Development of restriction enzyme assay for differentiation of field and vaccine strains of Newcastle disease virus
Nishanth C*
9. NH-09
Demonstrations of common viral agents in lungs in naturally occurring pneumonia of bovine through immunohistochemical and Ag-ELISA technique
Pankaj Goswami*, Harmanjit Singh Banga, Vishal Mahajan, Nitin Dev Singh, Rajinder Singh Brar

10.	NH-10	<p>Etiopathological study of low pathogenic Avian Influenza (H9N2) complicated by Escherichia coli with reference to detection of virulence genes of Escherichia coli in layers</p> <p>Komal Choudhary, D.J. Ghodasara, B.P. Joshi, B.B. Bhanderi, Purnima Jani, C.J. Dave</p>
11.	NH-11	<p>Indirect ELISA for feline Morbilli virus antibody detection based on matrix recombinant protein: A preliminary study</p> <p>Surangkanang Chaiyasak*</p>
12.	NH-12	<p>Development of loop-mediated isothermal amplification (LAMP) assay for detection of Mycobacterium avium subsp. paratuberculosis infection in animals</p> <p>Mukartal S. Y*, Rathnamma D, Narayanaswamy H. D, Isloor S, Chandranaik B. M, Ramesha C. B, Manjunatha S. S, Srikanth M, Siddalinga Murthy H. K, Santhosh A. K</p>

Poster Presentations

Sl. No.	Ref. ID	Title
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1. NH-13 Genotypic detection of extended spectrum β - lactamase (ESBL) producing avian pathogenic E. coli (APEC) in chicken
Sudha Rani Chowdary Ch*,
Tarakeswararao M, Rama Devi V,
Srinivasa Rao T, Bindu
Kiranmayi Ch.
2. NH-14 Gene expression profile of experimentally-induced zinc deficient goats
Rajveer Singh Pawaiya, Umesh Kumar Chaudhary, Nitika Sharma, Neeraj K Gangwar, Gururaj Kumaresan, Aarti Marskole, Desh Deepak Singh, Tarun Kumar
Gautam, Ashok Kumar
3. NH-15 Electropherogram analysis of TCR gene and IgH gene rearrangement in Feline lymphoma
Jedsada Siripoonsub*, Anudep Rungsipipat

4. NH-16 Assessing *Vibrio alginolyticus* infection and its pathogenesis in *Cobia* fingerlings by in-vivo image analysis and correlation with the histological alterations
Rameshkumar P*, Balachandran C, Vairamuthu S, Dhinakar Raj G, J. John Kirubakaran, K Nagarajan, Ramachandran S
Patho-anatomical, immunohistochemical and PCR diagnosis of ovine pulmonary adenocarcinoma (OPA) in slaughtered sheep
5. NH-17 Javeed Dar*, Pawan Kumar, Rahul Singh, Vidya Singh, Shailendra Singh, Monalisa
Sahoo, Rajendra Singh
Co-expression of embryonic transcription factors OCT-4 and SOX-2 genes in recurrent Canine cutaneous mast cell tumors
6. NH-18 Sirilak Meesuwana*
Seroprevalence of *Mycobacterium avium* subspecies *paratuberculosis* (MAP) infection in Gaddi goats of Himachal Pradesh using ELISA and AGID
7. NH-19 Monika Thakur*, Madhulina Maity, Vipin Kumar Gupta

8. NH-20 Molecular detection of CIAV in poultry population of Mizoram
Abhijit Deka*, Tridib Rajkhowa
9. NH-21 Phylogenetic analysis of visceral and neural parasitic infestation caused by Coenurus gaigeri cysts of Taenia multiceps in goat
Rajveer Singh Pawaiya, Gururaj Kumaresan, Neeraj K Gangwar, Aarti Marskole,
Desh Deepak Singh, Dimple Andani, Shivasharanappa Nayakvadi, Nitika Sharma,
Souvik Paul, Dinesh Kumar Sharma, Ashok Kumar
10. NH-22 From infinitesimal model to candidate gene approach for mastitis resistance in Jersey crossbred cattle
Saba Bukhari

11. NH-23 Behaviour of insulin, insulin receptors and GLUT-4 in STZ diabetic rats – An experimental study on molecular expression in target organs
Kavitha Rani B*, Suguna Rao, Purushothama K. M, Byregowda S. M, S.Munivenkatappa, M. L. Sathyanarayana, Narayanaswamy H. D, Shridhar N. B, Ansar Kamran
12. NH-24 Molecular characterization of Infectious bronchitis virus in commercial broiler chickens
Gourav Saini*
13. NH-25 Evaluation of the valvular lesions in rheumatic heart disease by histochemical and immunohistochemical techniques
Deepa Surendran*, Sandhyamani S.
14. NH-26 Characterization of infectious bursal disease viruses from field outbreaks of north east region of India
Tridib Rajkhowa*

15. NH-27 Immunohistochemical localization of inducible nitric oxide synthase (iNOS) within neurons of cattle infected with Rabies
Monika Thakur*, Bhupinder Singh Sandhu, Charan Kamal Singh, Kuldeep Gupta,
Naresh Sood
16. NH-28 dRIT- Current and emerging diagnostic technique in the diagnosis of Rabi
Satish Mundas*, Suguna Rao, Sharangouda Patil, M.L. Satynarayana, Shivashanrappa
Yalagod
17. NH-29 Investigation of proteomic profiles of serum lymphoma dogs
Piyanoor Fonghem*
18. NH-30 Perspectives of alternative toxicity testing: A need based futuristic app
Vikas Jaiswal*, Aarti Bhatele
19. NH-31 Tuberculosis in Camels: Pathology and molecular diagnosis
Jasmi Patel*, Samir Raval, Rohit Parmar, Bakor Patel, Abhinav Suthar, Dilip Joshi

20.	NH-32	<p>Detection of Peste des Petits Ruminants (PPR) antigen in naturally infected goat by immunohistochemistry and immunofluorescence technique</p> <p>Yashkumar Patel*, Jignesh Patel, Priti Vihol, Pratikkumar Panchal</p>
21.	NH-33	<p>Histomorphology and immunoreactivity of dysgerminoma in a Scarlet Macaw (Ara macao)</p> <p>Jayanthi, N., R. Saahithya, C. Balachandran, K. Vijayarani, Ganne Venkata Sudhakar Rao</p>
22.	NH-34	<p>Studies on clinico pathology and molecular diagnosis of Paratuberculosis in small ruminants</p> <p>Srikanth M*, Narayanaswamy H. D, Satyanarayana M. L, Suguna Rao, Rathnamma D, Ranganath L, Mukurtal S. Y, Vijaya Kumar N, Manjunatha S. S</p>

SESSION – V: WILD ANIMAL PATHOLOGY

Invited Lectures

Sl. No.	Title
1.	<p>Overview of wildlife necropsy and the challenges faced in diagnosis of lesions /diseases in general</p> <p>R. Sridhar</p>

Oral Presentations

Sl. No.	Ref. ID	Title
1.	WAP-01	Bat as reservoir for pathogenic bacteria infecting humans and animals: A preliminary study in Bareilly, Uttar Pradesh Beena V*, Desingu P. A, Sagar Khulape, Ravi Kumar Gandham, Pattnaik B, Singh R. K, Saikumar G
2.	WAP-02	Gross and microscopic findings of pulmonary Tuberculosis in captive Boselaphus tragocamelus (Nilgai) Madhulika Shetye*, Roshni Dhule, Vitthal Dhaygude, Dnyaneshwar Gavhane, Pramod Meshram, Kalyani Lothe, Rajashree Gandge
3.	WAP-03	Molecular and histological diagnosis of infectious canine hepatitis in dhole puppies in captive conditions Manjunatha V, Sujay, Nikitha, Shivashankar, Giridhar P, Byregowda S. M

4.	WAP-04	Pathological studies on gastrointestinal tract infection in Nilgai (<i>Boselaphus tragocamelus</i>) Maneesh Sharma*, Babu Lal Jangir Jangir, Gauri A. Chandratre, Vikas Nehra, Deepika Lather, K. K. Jakhar, Gulshan Narang
5.	WAP-05	Egg bound impaction in khalij pheasant (<i>Lophura leucomelanos</i>) Tejaswini K. G*
6.	WAP-06	Traumatic shock in a Night Heron R. Saahithya, C. Balachandran, N. Jayanthi, Ganne Venkata Sudhakar Rao

Poster Presentations

Sl. No.	Ref. ID	Title
1.	WAP-07	Pathological conditions in captive, semi-captive and free wild fauna in the Malnad foot lands of Western Ghats in Karnataka - A necropsy study Kavitha Rani B*, Vinay S, Manjunatha S S, Ananda K J, Anjan Kumar K R, Jayaramu G M

2. WAP-08
A retrospective study of post mortem findings in Wild/captive Felines
Girish B. C*, Shilpa V. T, Manjunatha K. P, Muralidhara H. T, Narayana Swamy H.D
Chronic renal failure by renal medullary fibrosis in a Siberian Tiger (*Panthera tigris altaica*)
Seoung-Woo Lee, Ahmed Elfadl, Myung-Jin Chung, Soong-Gu Kim, Yong Deuk Kim,
Ullah H M Arif, Dong-Kuk Yuh, Sang-Hwa Lee, Su-Min Baek, Kyu-Shik Jeong, Jin Kyu Park
Multi-organ pathology in a reticulated python (*Python reticulatus*)
3. WAP-09
N. Jayanthi, R. Saahithya, C. Balachandran, N. Pazhanivel, Ganne Venkata Sudhakar Rao
A rare case of parturition induced rupture uterine toxemia in a full term gravid leopard
Kavitha Rani B*, Vinay S, Goverdhan S
4. WAP-10
5. WAP-11

6. WAP-12 Studies on juvenile leptospirosis in White Tiger (*Panthera tigris*) cubs
Nasreen A*, Satya Prakash Arun, Srilatha Chintamaneni, Girish Bekkare, Ramu V
7. WAP-13 Pathological findings in an elephant died of accidental electrocution
Girish B. C, Shilpa V. T, Dharanesh C. D, Manjunatha K. P.
8. WAP-14 Tuberculosis in Himalayan griffon vulture (*Gyps himalayensis*)
Karikalan Mathesh*, Asok Kumar, Mahendran Karunanithy, Avinash Timung,
Palanivelu Munuswamy, Premansu Dandapat, Chandra Mohan S, Vibhu Prakash,
Anil Kumar Sharma
9. WAP-15 T-cell lymphoma in a green anaconda (*Eunectes murinus*)
Jedsada Siripoonsub*, Somporn Techangamsuwan, Wijit Banlunara
10. WAP-16 Volvulus induced gangrenous peritonitis and toxemia in an elephant
Kavitha Rani B*, Manjunatha S. S, Jayaramu G.M, Vinay S

11. WAP-17 An accidental electrocution of an elephant in South Wayanad, Kerala: A case report
Kavya M*, Sumanth Bedre, Hamza Palekkodan, Anoopraj R, Krupa T. L, Prasanna K.
S, Yashas R Kumar, Sajitha I. S, Ajith Jacob George
12. WAP-18 Granulomatous enteritis disease in an adult Chinkara
Deepika Lather*, N. K Mahajan, Babu Lal Jangir, Paramjeet Kalkot
Fungal air sacculitis and pasteurellosis in African grey parrot chicks
13. WAP-19 N. Jayanthi, R. Saahithya, C. Balachandran, N. Pazhanivel, Ganne Venkata Sudhakar Rao
Marek's disease and concurrent verminous ventriculoenteritis in a night heron
14. WAP-20 N. Jayanthi, R. Saahithya, C. Balachandran, N. Pazhanivel, Ganne Venkata Sudhakar Rao
Leiomyoma of uterus in a leopard (Panthera pardus): A case report
15. WAP-21 Kinnari R. Makwana*, B.P. Joshi, D. J. Ghodasara, C. J. Dave, Purnima B. Jani, Monika P. Patel, T. S. Macwan

16.	WAP-22	Fibrinous peritonitis in an Asian elephant Kavitha Rani B, Manjunatha S. S, Vinay S, Jayaramu G. M, Suguna Rao
17.	WAP-23	Tapeworm infestation in Peacock – A case report Roshani Padole*
18.	WAP-24	Uterine leiomyoma in a Panthera pardus (leopard) Prashant Gadhave*, Shailesh Pethe, Vitthal Dhaygude, Dattatraya Kadam, Biswajit Dash
19.	WAP-25	Retrospective study of postmortem lesions and histopathological findings in asian Koels Manjunatha V, Roopa Satish, Shankar B P, Giridhar P, Byregowda S M

AQUATIC ANIMAL PATHOLOGY

Invited Lectures

Sl. No.	Title
1.	Recent concepts in marine fish pathology: An Indian perspective S. R. Krupesha Sharma

Oral Presentations

Sl. No.	Ref. ID	Title
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1. AAP-01 Synbiotic effect of Jerusalem artichoke and *Lactobacillus rhamnosus* GG supplemented diets on intestinal morphology in red tilapias
Mariya Sewaka*
2. AAP-02 Incidence of Chronic Debilitation Syndrome in Chelonian sea turtles from The Gulf of Mannar, India - Case report
Rameshkumar P*, Saravanan R, Nazar A.K.
Pathomorphology & molecular characterization of *Staphylococcus haemolyticus* from stranded short finned pilot whale (*Globicephala macrorhynchus*) at Gulf of Mannar, India - Case report
Rameshkumar P*, Sakthivel M, Nazar A. K. A, Jeyabaskaran R, Saravanan R, Nazeera B. M, Hanumanta Rao G
3. AAP-03 Outbreak of bacterial haemorrhagic septicaemia in fresh water carps in Midnapur district of West Bengal
Mrityunjoy Mondal*, Debasis Chatterjee
4. AAP-04 Molecular pathology of infectious hypodermal haematopoietic necrosis disease in *Penaeus vannamei* shrimp
P. Ezhil Praveena*, Jegadeesan, V., Jithendran, K. P, Alavandi, S. V.
5. AAP-05

6.	AAP-06	Histopathological changes in fish as indicators for water pollution Prasanna K S*, Durga Devi K M
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Poster Presentations

Sl. No.	Ref. ID	Title
1.	AAP-07	Lymphoma in kidney with metastasis to spleen in goldfish K. Nagarajan*, R. Ananda Raja, Chinnaiyan Soundararajan, R. Legadevi
2.	AAP-08	Occurrence of parasitic infections in freshwater fish in and around Byre gowda T. R, Suguna Rao, Sathyanarayana, M. L, Narayanaswamy, H. D, Puttalakshamma, G. C

SESSION- VI: MEMORIAL LECTURES & Dr. P.P. GUPTA ORATION SESSION

Sl. No.	Title
1.	Dr. S.J. Seshadari Memorial Lecture Economically important poultry diseases – Diagnosis and control R. N. Sreenivas Gowda
2.	Prof. P.K.R. Iyer Memorial Lecture Pathology of mycotic diseases Lal Krishna
3.	Dr. A. Sunderaj Memorial Lecture Pesticide toxicity assessment in rats C. Balachandran

4. Dr. U.K. Garg Memorial Lecture
Challenge of avian influenza, infectious bronchitis and mycoplasmosis facing poultry industry
J. L. Vegad
5. Dr. B.C. Nayak Memorial Lecture
Forensic application of postmortem changes in animal carcasses and its effective disposal
Susen Kumar Panda
6. Dr. Gopal Jee Jha Memorial Lecture
Trace elements: Their role in pathophysiology of cellular to nuclear to genomic events of life
K.K. Singh
7. Dr. G.K. Baruah Memorial Lecture
Immunopathology of economically important and emerging viral diseases of pigs
T. Rahman

Dr. P. P. Gupta Oration
The changing trends and challenges in Veterinary Pathology
N.Vijayan

SESSION- VII: POULTRY DISEASE DIAGNOSIS

Invited Lectures

- | Sl. No. | Title |
|---------|--|
| 1. | Infectious Laryngotracheitis: A threat to poultry industry
Parimal Roy |
| 2. | Avian Influenza: A detailed view on diagnostics and interventions
Jag Mohan Kataria |

3. Status, etiopathology and diagnosis of chicken infectious anaemia
R.C. Ghosh

Oral Presentations

Sl. No.	Ref. ID	Title
1.	PDD-01	Histopathological investigation in layer birds fed inadequate calcium diet without and with boron supplementation Krishnamoorthy Paramanandham*, Gowda N K S, Pal D T, Bhat S K, Vijay A, Pari
2.	PDD-02	Etiopathological study of field outbreaks of Inclusion Body Hepatitis in commercial broiler chicks Disha Raval, D. J. Ghodasara*, B.P. Joshi, Purnima Jani, C.J. Dave
3.	PDD-03	Etiopathology of femoral head necrosis in broilers with special reference to pathogenic Escherichia coli Aashwina Madhwal, D. J. Ghodasara, B.P. Joshi, R.A. Mathakiya, Purnima Jani, C. J. Dave

4. PDD-04 Pathological studies on low pathogenic Influenza and molecular detection of accompaniment co-infections in broiler birds
Sonal Chaudhari, B.P. Joshi, D.J. Ghodasara, Purnima Jani, C. J. Dave
5. PDD-05 Studies on comparative therapeutic effect of febuxostat and allopurinol on gout induced model in broiler chicks
R.C. Rathod, B.P. Joshi, D.J. Ghodasara, Purnima Jani, C.J. Dave
6. PDD-06 Differential diagnosis of viral induced lymphoid tumors using cytomorphology and immunocytology
Asok Kumar*, Shambu Dayal Singh, Barathidasan Rajamani, Palanivelu Munusamy, Kuldeep Dhama
7. PDD-07 Fatal septicemia caused by Gallibacterium anatis in white pekin ducks (Anas platyrhynchos domesticus)
Palanivelu Munuswamy*, Asok Kumar, Shivaran Singh, Bhoj Raj Singh, Monalisa Sahoo, Rajendra Singh, Kuldeep Dhama

8. PDD-08 Chicken Parvovirus detection by molecular methods in Indian chicken flocks along with other enteric viruses
Pradeep Mampillikalam*, Maddula Ramakoti Reddy
9. PDD-09 Effect of “EWABO essential oils” on intestinal health of poultry
Siddhart Jamdade, Pratik Ingle Patil, Noopur Halmare, Pankaj Gaonkar, Prashant Sonkusale, Nitin Kurkure
10. PDD-10 An emerging global opportunistic pathogen: *Stenotrophomonas maltophilia* isolated from ducks (*Anas platyrhynchos*)
Anitha Ram*
11. PDD-11 Effects of *Salmonella gallinarum* infection on the cell-mediated immune response in broiler chickens exposed to thiacloprid
Renu Singh*, Krishan Kumar Jakhar, Deepika Lather, Adya Rath

12. PDD-12 Effects of cow urine and its synergistic action with aqueous poly herbal extract on lymphoblastogenesis in commercial broiler chicks
Dhaval Fefar*, B.P. Joshi, Dinesh Ghodasara, Bhavisha Jivani, Amit Bhadaniya, Vinay Kalaria
13. PDD-13 Immunomodulatory effects of cow urine and its synergistic action with aqueous poly herbal extract in commercial broiler chicks
Dhaval Fefar*, B.P. Joshi, Dinesh Ghodasara, Bhavisha Jivani, Vinay Kalaria, Amit Bhadaniya
14. PDD-14 Detection of Chicken Infectious Anaemia virus from poultry farms of Pu Sreekala Mohandas*, Gurpreet Kaur, P. N Dwivedi
15. PDD-15 Pullorum disease outbreak in young chicks
Manjunatha K. P*, Shilpa V. T, Roopadevi Y. S, Ravikumar P, Girish B. C, Chandrashekar K. M

16.	PDD-16	<p>Patho-morphological changes in ochratoxicosis and its amelioration using diatomaceous earth and Vitamin E in broiler chickens</p> <p>Dheerendra Naik</p> <p>Effect of thiacloprid on biochemical alterations of experimental Salmonellosis in broiler chicken</p>
17.	PDD-17	<p>Renu Singh, Krishan Kumar Jakhar, Adya Rath, Deepika Lather</p> <p>Marek's disease in Poultry - An overview</p>
18.	PDD-18	<p>Mrityunjoy Mondal*</p>

Poster Presentations

Sl. No.	Ref. ID	Title
1.	PDD-19	<p>Pathomorphological alteration of visceral form of Marek's Disease in commercial layer</p> <p>Mrityunjoy Mondal*</p>
2.	PDD-20	<p>Gross pathology of induced Herpes Virus Type-1 in duck (Anas platyrhynchos domesticus) in West Bengal</p> <p>Nimai Chand Patra*, Rajeev Chaoudhary</p>

3. PDD-21 An outbreak of Inclusion Body Hepatitis among chicken flock in Western Maharashtra
Shiyamala S*, Chandrashekhar Mote, Sameer Jadhav, Bhupesh Kamdi
4. PDD-22 Occurrence of combined Ranikhet disease and aflatoxicosis in commercial broilers
Noopur Halmare*, Pankaj Gaonkar, Sneha Thorat, Prashant Sonkusale, Nitin Kurkure
5. PDD-23 Egg peritonitis in an organised duck farm with its etiological confirmation
Leema Mohanty*, Susen Panda, Dharendra Kumar, Jasmin Pamiya
6. PDD-24 Effects of Ochratoxin on serum Total Protein (TP), Albumin and Globulin levels and amelioration with DAE and Vitamin-E in broiler chickens
Dheerendra Naik
7. PDD-25 Ameliorative effect of Febuxostat on gout induced model in broiler
C.J. Dave*, D.J. Ghodasara, B.P. Joshi, P.B. Jani, M. K. Patel

8. PDD-26 Clinical and histopathological characteristics of Aspergillosis in local Muscovy ducks (*Cairina moschata*) in Vietnam
Nguyen Vu Son*, Nguyen Huu Nam, Bui Tran Anh Dao, Nguyen Thi Lan, Bui Thi To Nga, Nguyen Thi Huong Giang
9. PDD-27 Molecular studies on mixed avian oncogenic virus infections under field conditions
Deepika Sharma, Lalitankimi Varte, Kuldip Gupta, Deepak Deka, Amarjit Singh
10. PDD-28 Pathology of colibacillosis caused by antibiotic resistant *E. coli* in poultry population of Mizoram
Tridib Rajkhowa, Kim Jamoh
11. PDD-29 Molecular epidemiology of respiratory disease complex in broiler chickens
Nishanth C, Gourav Saini
12. PDD-30 Pathomorphological and bacteriological study of colibacillosis infection in ducklings
K. Sujatha*, B. C. Girish, Ch. Srilatha, R. V. Ramana murty, M. Amaravathi, C. Yugandhar, P. Vanisankar, G. Gayathri, R. Y. Afthab

13. PDD-31 Metagenomic and pathomorphological analysis of respiratory disease complex in poultry
Jasmi Patel*, Bakor Patel, Dilipkumar Joshi, Samir Raval, Rohit Parmar
14. PDD-32 Pathomorphological changes in natural cases of salt toxicity in broiler c
Ragavi Kandhasamy*, Arulmozhi Ayyasamy, Prabhakaran Ponnusamy, Balasubramaniam Amirthalingam
15. PDD-33 Incidence and haemato-biochemical study of gout in broiler birds of Faizabad and Sultanpur district of Eastern U. P.
Yadav B. S, Niyogi D, Tripathi K. K, Yadav S. M, Choudhary P. K. *
16. PDD-34 An outbreak of infectious bursal disease in local birds
Manjunatha K. P*, Ravikumar P, Shilpa V. T, Roopadevy Y. S, Girish B.C, Ramesha C. B
17. PDD-35 Outbreak investigations of Avian Influenza in ducks
Shankar B. P*, S. M Byregowda, M. D Venkatesha, Chandranaik B. M, Shivaraj M

18. PDD-36 Cardiopulmonary pathology of ascites in broiler birds
Devi S. S*, Krithiga K, Vijayan N, Divakaran Nair
19. PDD-37 Repeated outbreak of Leucocytozoonosis in layer chicken
Vitthal Dhaygude*, Ganesh Sawale, Roshni Dhule, Madhulika Shetye, Prashant
Gadhawe, Percy Avari, Deepashree Desai
20. PDD-38 Lymphoproliferative disease in a turkey
Aneesh A*, Divya C, Divakaran Nair
21. PDD-39 Spontaneous case of Cholangiocellular carcinoma in a duck: A pathological study
Babu Lal Jangir Jangir*, Maneesh Sharma, Deepika Lather, R. P. Gupta, Surjeet Singh, Vikash Sharma
22. PDD-40 Incidence of rickets in an organized farm
Kaushikkumar Thakor*

23.	PDD-41	Serum creatinine, cholesterol and triglyceride levels in Ochratoxicosis and amelioration using DAE and Vitamin E in broiler chickens Dheerendra Naik
24.	PDD-42	Parasitic intestinal obstruction in a Pigeon Vanisankar Palagiri*
25.	PDD-43	A case of articular gout in a Swarnadhara bird Solmon Singh Borugadda*, Sudha Rani Chowdary Ch, Rama Devi V, Annapurna Pillutla, Satheesh Kokila, Samatha Valeti
26.	PDD-44	A case report on sub-clinical coccidiosis in desi chicken Sneha Thorat*, Noopur Halmare, Pankaj Gaonkar, Pratik Inglepatil, Siddharth Jamdade, Sunil Kolte, Nitin Kurkure
27.	PDD-45	IBD and ND in layer birds – A case report Yathish gowda C, Narayanaswamy H. D, Suguna Rao, Anjan Kumar, Harshitha C. R, Raghvendra Y. L, Ghouse M.

SESSION- VIII: PET AND COMPANION ANIMAL PATHOLOGY

Invited Lectures

Sl. No.	Title
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1. Status and Diagnosis of Rabies in India
Rajendra Singh
2. Advances in ante-mortem diagnosis of rabies in animals
C K Singh

Oral Presentations

Sl. No.	Ref. ID	Title
1.	PCP-01	Novel NGS-derived Canine Bocavirus Thai strain induced pathological lesions mimic to Canine Minute Virus (CnMV) Chutchai Piewbang*
2.	PCP-02	Pathomorphology of hepato-renal dysfunction in dogs of Assam Chubita Tari, Sarojini M. Tamuli
3.	PCP-03	Pathological studies of skin lesions in dogs Smrutirekha Pati, Aditya Acharya, Susen Panda
4.	PCP-04	Evaluation of Canine skin neoplasms in Kolkata metropolis Sambhunath Saha*, Sunit Kumar Mukhopadhyay, Samiran Mandal
5.	PCP-05	Prevalence and pathological studies of transmissible venereal tumour in dogs Namasya Priyadarshini, Debiprasanna Das, Susen Kumar Panda, Basanti Jena

6. PCP-06 Morphological pattern based categorization of Canine skin lesions
Poorani K*, Gopalakrishnan Nair, Varshney K.C, JyothiPriya R., Anandhi Dharma
7. PCP-07 Bilateral ovarian follicular cysts and associated changes in the uterus of a cat
S. Uma*, C. Nadhiya, P. Tamil Maran, R. Kumar, A. W. Lakkawar, M. G. Nair
8. PCP-08 Pathology of pancreas in dogs
Harshitha C. R, Sathyanaryana M. L, Hemanth I, Shashidar Ballari, Prashanth A.G,
Raghavendra L.Y
9. PCP-09 A rare case of intrasplenic myelolipoma in a Labrador retriever
Mohanapriya T*, Sridhar R, Hemalatha S, Thangapandiyan M, Balachandran C
10. PCP-10 Feline Infectious Peritonitis: A case report
Pankaj Gaonkar*, Noopur Halmare, Siddhart Jamdade, Pratik Inglepatil, Sneha
Thorat, Sandeep Chaudhari, Smita Bhoyar, Prashant Sonkusale, Nitin Kurkure

Zinc phosphide toxicity in German Shepherd dog

11. PCP-11 Manjunatha K. P*, Roopadevi Y. S, Shilpa V. T, Ravikumar P, Girish B. C, Ravikumar C

Poster Presentations

- | Sl. No. | Ref. ID | Title |
|---------|---------|---|
| 1. | PCP-12 | Studies on spontaneous renal lesions in canines with special reference to molecular detection of <i>Leptospira</i> spp.
Biswajit Dash*, Vitthal Dhaygude, Prashant Gadhawe, Kaustubh Garud, Dattatraya Kadam |
| 2. | PCP-13 | Quantitative detection of anti-rabies antibodies by ELISA in dogs: A significant indication of Rabies infection
Palvi Thakur, Bhupinder Singh Sandhu, Charan Kamal Singh, Apminder Pal Singh |
| 3. | PCP-14 | Occurrence of mixed infection of Infectious Canine Hepatitis and Parvoviral enteritis in the dogs
Karikalan Mathesh*, Vishal Chander, Gaurav K Sharma, Rajendra Singh, Anil Kumar Sharma, Vivek Gupta |

4. PCP-15 Prevalence of haemoprotozoan infections in canines of Thrissur region of Kerala state
Dhanush Krishna B*, Syamala K, Laiju M Philip, Jayakumar C, Deepa Chirayath, Aneesh A, Syam K Venugopal
5. PCP-16 Prevalence and pathological studies of Pemphigus foliaceus in dogs
Rajasekaran Durairaj*, Swati Choudhury, Vairamuthu S, Nagarajan B,
Balachandran C
6. PCP-17 An outbreak of Feline Parvo viral infection in cats
Jayanthi. N, R. Saahithya, C. Balachandran, N. Pazhanivel, Ganne Venkata
Sudhakar Rao, K. Parthiban, K. Vijayarani
7. PCP-18 Frequency and types of epulis in dogs: A retrospective study
Vikas Galav*, Rohit Kumar Tiwari, Manish Agarwal, Rohitash Dadhich
8. PCP-19 Cytohistological and immunocytochemical studies on primary cutaneous transmissible venereal tumours in dogs with lymph node metastasis
Thangapandiyam M, Balachandran C, Jeyaraja K, Raja A, Sridhar R

9. PCP-20 Co-existing Insulinoma and exocrine pancreatic adenoma in a dog – A case report
Harshitha C. R, Satyanarayana M. L, SugunaRao, Hemanth I, Raghavendra L. Y
10. PCP-21 Adrenal glands: A study on incidence and histopathological alterations i
Thangapandiyam M, Swati Choudhury, Balachandran C, Arulanandam K, Sridhar R
11. PCP-22 A fatal case of severe fibrino-haemorrhagic peritonitis associated with intestinal perforation, multiple renal and splenic infarcts in a dog
Hemalatha Sankaranarayanan*, Prabu P. C, Ganne Venkata Sudhakar Rao
12. PCP-23 Occurrence of multicentric lymphoblastic lymphoma in a Labrador retriever dog: A case report
Jeevan K*, Suguna Rao, Sathyanarayana M. L, Mohamed Ghouse H, Manjunath Mayachari S, Netra K. Gowda, Yathish Gowda C.

13. PCP-24 Mixed infection of Coccidiosis and E. coli infection in rabbits
Manjunatha S S*, Ananda K J, Kavitha Rani B, Jayaramu GM, Sridhar N B
14. PCP-25 Occurrence of parasitic fibrinous necrotic enteritis in a Rottweiler dog: A case report
Vikas Nehra*, Sukhdeep Vohra, Vijay Kumar, Charlie Sharma
15. PCP-26 Occurrence and pathology of chronic catarrhal enteritis in intestine of
Goverdhan Singh
16. PCP-27 Ileocolic intussusception with histiocytic ulcerative tiflocolitis in a German Shepherd dog: A case report
Gauri Chandratre*, Vikas Nehra, Krishnakumar Jakhar
17. PCP-28 Pathology of cutaneous papilloma in Dobermann dog
Prabhakaran K P*, Madheswaran R, Ragavi Kandhasamy, Balasubramaniam G A,
Arulmozhi A

18.	PCP-29	Evaluation of malignancy of Transmissible Venereal Tumor using agyrophilic nucleolar organising region (AgNOR) staining Sapna Soni*, Gauri. A. Chandratre, K.K. Jakhar
19.	PCP-30	Mixed germ cell and sex cord stromal tumour in a dog Gopal K*, Pazhanivel N, Jeyaraja K, Kumar V, Jayakumar K, Ninu A.R
20.	PCP-31	Multiple cutaneous digital papillomas in a dog - A case report Saba Khan*, Sarjna Meena
21.	PCP-32	Malignant biphasic mesothelioma in a non - descript dog Gopal K*, Jeyaraja K, Pazhanivel N, Kumar V, Thangathurai R
22.	PCP-33	A case study on mixed mesenchymal skin tumor in Labrador dog Gayathri Gouru*, Ch.Srilatha, K.Sujatha, A.Nashreen, BC Girish, Amaravathi, Vanishankar, Yuggendhar, Aftha B, B.Prakash, B.Niveditha
23.	PCP-35	Incidences of Squamous cell carcinoma in dogs in Gujarat Bhumika K. Kapadiya*, D.J. Ghodasara, B.P. Joshi, C.J. Dave, Purnima B. Jani, Y.M. Patel, B.M. Kondre, R.K. Prajapati, S.R. Surjagade

24. PCP-36 Ciliary body adenoma in a dog – A case report
T.S. Macwan*, D.J. Ghodasara, R.B. Gondaliya, C.J. Dave, B.P. Joshi, Purnima
Jani, Monika Patel, Kinnary Makwana
25. PCP-37 Classification of the mammary tumour occurrences in dogs
Theophilus Anand Kumar, Champion Devadoss*, Balachandran C, Ramesh Radhakrishnan, Mohamed Shafiuzama
26. PCP-38 Sebaceous gland adenoma in dog – Case report
Monika P. Patel*, D. J. Ghodasara, B.P. Joshi, Purnima B. Jani, C.J. Dave, Kinnari R. Makwana, T.S. Macwan, R. B. Gondaliya
27. PCP-39 Cutaneous mast cell tumor in a dog – A case report
S.R. Surjagade*, D. J. Ghodasara, B.P. Joshi, C. J. Dave, Purnima B. Jani, Bhumika
K. Kapadiya, B.M. Kondre, Y. M. Patel, R. K. Prajapati
28. PCP-40 Primary splenic lipoma in a dog
Seoung-Woo Lee, Dong-KukYuh, Sang-Hwa Lee, Su-Min Baek, Kyu-ShikJeong, Jin
Kyu Park*

29. PCP-41
Diagnosis of scabies in rabbit
(Oryctolagus cuniculus)
Deeptimayee Pattanayak*, Swati
Choudhury, Kadirveluse Senthilkumar
30. PCP-42
Chemodectoma in a non-descript
Dog: An incidental finding in post-
mortem
Savitha, J. V, Suguna Rao,
Satyanarayana M. L, Hemanth I, Byre
Gowda T. R
31. PCP-43
Dog necropsy and its pathological
findings
Sarojini M. Tamuli*, Chubita Tari, Taibur
Rahman, Tirtha Nath Upadhyaya,
Debesh Chandra Pathak, Churchis Ville
Phangcho, Biswajit Dutta, Shameem
Ara
Begum
32. PCP-44
A study on occurrence of pulmonary
disorders in dogs
Savitha, J. V, Satyanarayana M. L,
Suguna Rao, Hemanth I, Shashidhar
Ballari
33. PCP-45
A case of primary disseminated
brochioloalveolar papillary
adenocarcinoma
with mediastinal lymphnode
metastasis
Savitha J. V, Satyanarayana M. L,
Suguna Rao, Hemanth I, Byre Gowda T.
R,
Prashanth A. G

34. PCP-46 Metastatic pulmonary calcification in a dog
Savitha J. V, Satyanarayana M. L, Suguna Rao, Hemanth I
35. PCP-47 Associated pulmonary lesions in canine distemper infection: Post-mortem study
Savitha J. V, Satyanarayana M. L, Suguna Rao, Hemanth I
36. PCP-48 Prevalence of renal failure in dogs
Dilip Kumar D. N*, Narayana Swamy H. D, Suguna Rao, Jagadeesh S. Sanganal, Jamuna K. V
37. PCP-49 Pathological changes during renal failure in Dogs
Dilip Kumar D. N*, Narayana Swamy H. D, Suguna Rao, Jagadeesh S. Sanganal, Jamuna K. V
38. PCP-50 Rhinosporidiosis in urinary tract of a Dog
Dilip Kumar D. N*, Suguna Rao, Amith N. G, Rakesh V.
39. PCP-51 Toxoplasmosis in dog - A case report
Prashanth A. G*, Shashidhar Ballari, Hemanth I, Suguna Rao, Harshitha C. R,
Savitha J. V, Narayanaswamy H. D, Satyanarayana M. L

Sl. No	Ref. ID	Title
1.	YS-01	Establishment of septicaemia in cattle and buffalo following infection by Pasteurella multocida B:2 Salleh Annas*, Ffa Jesse, Zakaria Zunita, M Zamri-saad
2.	YS-02	Evaluation of berberine in lantadene-induced toxicity in Guinea Pigs Manish Kharwal*, Rinku Sharma, Gorakh Mal, Rasbehari Bhar, Rajendra Singh
3.	YS-03	Molecular characterization and pathomorphological alterations in Inclusion Body Hepatitis in Poultry I. Pahari*, R.C. Ghosh, D.K. Jolhe, A. Jain, R. Satapathy
4.	YS-04	The Porcine cholecyst-extracellular matrix as a tissue regenerative scaffold for skeletal muscle repair Dhanush Krishna B*, N Divakaran Nair, N Vijayan, Syam K Venugopal, Mammen J Abraham, Sisilamma George, T V Anilkumar

5. YS-05 Hepatoprotective and cardioprotective effects of Amla (*Embllica officinalis*) on *Escherichia coli* infection in broiler chickens
Adya Rath*, Krishan Kumar Jakhar, Renu Singh
6. YS-06 Pathology and molecular diagnosis of gastrointestinal helminthic infections in small ruminants
A C Satish*, K Nagarajan, Balachandran C, Chinnaiyan Soundararajan
7. YS-07 Pathomorphological and molecular studies in Bovine mastitis
Sarvesha K*, Satyanarayana M L, Narayanaswamy H D, Suguna Rao, Yathiraj S, Isloor S
8. YS-08 Studies on clinico-pathology and molecular diagnosis of Paratuberculosis in sheep
Srikanth M*, Narayanaswamy H D
9. YS-09 Immunological and pathological evaluation of protective efficacy of inactivated recombinant Equine Influenza Virus vaccine candidate in Murine model
Manu Mathew*

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| 10. | YS-10 | Assessment of Lead toxicity in Bovines
Arya Anil*, Amita Dubey, Madhu Swamy |
| 11. | YS-11 | Effect of inhibition of TLR-3 on pathogenesis of Rabies in Mouse model
Sumit Sardana*, Karampal Singh, Vineetha S, Saminathan M, Madhulina Maity |
| 12. | YS-12 | Comparative studies on quantitative detection of rabies antibodies by ELISA and counter immuno electrophoresis
Palvi Thakur, Bhupinder Singh Sandhu, Charan Kamal Singh, Apminder Pal Singh |
| 13. | YS-13 | Bone marrow cytology of chicken in experimentally induced Escherichia coli and Eimeria tenella infection
Remya Nair* |
| 14. | YS-14 | Anti-apoptotic effect of Eugenia jambolana aqueous extract in methotrexate induced hepatotoxicity in rats
Vijaya Kumar N* |

15. YS-15 Acute and sub-acute oral toxicity studies of ethanol extract of aerial parts of *Blumea laevis* (EABL) in rats
Yashas R Kumar*, N Divakaran Nair, Ajith Jacob George, Anooprajraj R, Suja Rani S
16. YS-16 Experimental oral carcinogenesis and its chemoprevention using *Andrographis paniculata* in rats
Sathi K B*, Hemalatha Senthilnayagam, Sridhar R, Mangalagowri A
17. YS-17 Molecular detection and pathology of porcine circovirus-2 infection among piglets
Keerthana J*, Mammen J Abraham, Krithiga K, N Divakaran Nair, Priya, P. M
18. YS-18 Search for novel biomarkers of chronic kidney disease in dogs
S.Singh, N. K. Sood
19. YS-19 Study on occurrence of fish diseases in freshwater fish in and around Bengaluru
Byre gowda T. R, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Puttalakshamma G. C

20.	YS-20	<p>Systemic infection in contagious ecthyma in sheep and goats</p> <p>Syeda Sumaiya, Suguna Rao, Satyanarayana M. L, Byregowda S.M, Chandranaik, Shankar B.P, Leena G</p>
<p>Prof. S. RAMACHANDRAN SESSION</p>		
1.	YS-21	<p>Evaluation of Nanocurcumin in ameliorating N-methyl N-nitrosourea (NMU) induced mammary tumour in rats</p> <p>Karthika Sanal*, Anil Kumar Sharma, Karikalan Mathesh, Adiya Sahoo, Sooraj V Nair, Chandra Mohan S, Rahul Kadam</p>
2.	YS-22	<p>Anti-human antibodies expression in Canine mammary neoplasms - As a model to study human breast cancer</p> <p>Debiprasanna Das*, Balachandran C, Hemalatha S</p>
3.	YS-23	<p>Diagnostic value of survivin in spontaneous canine and induced rat mammary gland tumors</p> <p>Kishor T. K*, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Byregowda S. M, Nagaraja B. N, Purushotham K. M, Kavya N</p>

4.	YS-24	<p>Proliferation and antiapoptotic markers as prognostic indicators in canine spontaneous cutaneous epithelial tumours</p> <p>Kavya N, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Ranganath L, Ansar Kamaran, Purushotham, Kishore T.K</p>
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SESSION- X: TOXICOPATHOLOGY & LABORATORY ANIMAL
PATHOLOGY SESSION

Invited Lectures

Sl. No.	Title
1.	<p>Techniques used in evaluation of neurotoxic potential of test compound/article in preclinical toxicity studies including chicken</p> <p>S. K. Vijayasarithi</p>
2.	<p>Histological and ultrastructural studies on stomach of Wistar rats given saline water</p> <p>Madan V. Joshi</p>
3.	<p>Molecular pathology endpoints in toxicologic pathology</p> <p>Ramesh C. Kovi</p>
4.	<p>Microscopic lesions for scoring of the severity of herbal extract-induced hepatotoxicity in rats</p> <p>Hazilawati H</p>
5.	<p>Common ailments of rabbit and their diagnosis: A note</p> <p>S.K Mukhopadhyay</p>
6.	<p>An update of toxicopathology of arsenic in animals and birds</p> <p>D. Niyogi</p>

Oral Presentations

Sl. No	Ref. ID	Title
1.	TLP-01	Pathology of important toxic plants of north-western Himalayan region of India Rinku Sharma*, Haroon Ashraf, Rakesh Kumar, Sarvesh Rai, Manish Kharwal, Rasbehari Bhar, Rajendra Singh
2.	TLP-02	Pathobiological and immunological studies of Chlorpyrifos toxicity in Salmonella gallinarum infected broiler chicken Vikas Nehra*, R. P. Gupta, Deepika Lather, Ravindra Sharma
3.	TLP-03	Molecular and pathological studies of induced hyperlipidemia and atherosclerosis in Wistar male rats and its amelioration with flaxseeds (<i>Linum usitatissimum</i>) and green tea (<i>Camelia sinensis</i>) H. Srinivasa Naik, Srilatha Ch, Sujatha K, Sreedevi T
4.	TLP-04	Effect of <i>Coleus amboinicus</i> extract on Tumor necrosis factor- α (TNF- α) expression against cisplatin-induced nephropathy in Wistar rat (<i>Rattus norvegicus</i>) Rondius Solfaine*

5. TLP-05 Effect of Hedychium spicatum administration on tissue changes in Indoxacarb intoxicated chickens
Govind Kumar Choudhary
6. TLP-06 Clinicopathological studies on sub-acute estragole toxicity in Wistar Rats (Rattus norvegicus)
Kalgi Joshi, Bakor Patel, Samir Raval, Jasmi Patel, Rohit Parmar, Geeta Desai, Abbas Charavala, Anjali Rathod, Dilip Joshi
7. TLP-07 Gymnema sylvestre enhances the expression of insulin receptors in insulin target organs in STZ diabetic rat model: An immunohistopathological and qRT-PCR study
Kavitha Rani B*, Suguna Rao, Satyanarayana M L, Narayanaswamy H D, Purushothama K M, Shridhar N B
8. TLP-08 An experiment on pathology of Mycetism in mice
Sunayana Baruah*, Sarojini M. Tamuli, Tirtha Nath Upadhyaya, Satya Sarma, Taibur Rahman

9. TLP-09 Effect of thyroid gland of broilers due to experimentally induced fipronil toxicity
Nidhi Shrivastava*, Jyothi Mittal, Gaya Prasad Jatav
Experimental study of performance and serum biochemistry of broiler chicken in experimental induction of
10. TLP-10 Aflatoxicosis and Mycoplasmosis
Akshata S Angadi, Narayanaswamy H D, Satyanarayana M L, Suryanarayana T,
Sridhar N B, Rathnamma D
Ameliorative effect of Andrographis paniculata on hematobiochemical profile
11. TLP-11 during monensin sodium toxicity in Quails
Pranjali Pore, Ranjit Ingole, Madhuri Hedau, Pravin Rathod, Nagnath Bhojane
12. TLP-12 Pathomorphological evaluation of Benzoate sub-acute toxicity in Rats
Jyothi Priya R.*, Sridhar R., Balachandran C.

13. TLP-13 Studies on evaluation of hypoglycemic effect of aqueous extract of Aloe vera in Streptozotocin induced diabetic Rats
Manjunatha S. S*, M. L. Sathyanarayana, Narayanaswamy H. D, Suguna Rao,
Rathnamma Doddamane,
Shridhar N. B, Kavitha Rani B,
Mukartal S. Y, Srikanth
14. TLP-14 Histopathological evaluation of cutaneous wound healing activity of Melastoma malabathricum leaf extract in sprague dawley rats
Mohd Farhan Hanif Reduan*
A sub-acute toxicity of Thioglycolic Acid in Wistar Rats (Rattus norvegicus)
15. TLP-15 G. D Desai, B. J Patel, J. G Patel, S. H Raval, R. S Parmar, A. H Charavala, A. S Rathod, D. Y Joshi
Ameliorative effect of Emblica officinalis on sodium arsenite induced toxicity
16. TLP-16 in broiler chicks
A. K. Jain*, R. C. Ghosh, C. S. Mishra

17. TLP-17 Efficacy of Diatomaceous Earth in amelioration of Ochratoxin induced toxicity in broiler chicken
V. P. Anand, A. W. Lakkawar, H. D. Narayanaswamy, M. L. Sathyanarayana
Pathomorphological and biochemical evaluation of methotrexate induced hepatotoxicity and its amelioration by
18. TLP-18 *Eugenia jambolana* in rats
Vijaya Kumar N*, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Shridhar N. B
Studies on the effect of *Andrographis paniculata* on antioxidant profile in
19. TLP-19 lingual tissues on experimental oral carcinogenesis in rats
Sathi K. B*, Hemalatha Senthilnayagam, Sridhar R, Mangalagowri A
20. TLP-20 Post mortem diagnosis and laboratory confirmation of Phorate - An organophosphorus poisoning in sheep - A field report
Vijaya Kumar N*, Srikanth M

21.	TLP-21	Clinico-haemato-biochemical changes due to induced sub-acute toxicity of dimethoate in rabbits (<i>Oryctolagus cuniculus</i>) Omer Khalil Baba*, Mohammed Maqbool Darzi
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Poster Presentations

Sl. No.	Ref. ID	Title
1.	TLP-22	Effect of herbal immunomodulators and antistressor products on haematological, serum biochemical and immune status of Japanese quails (<i>Coturnix japonica</i>) during summer stress Swathi Bora*, Srinivas Gurrum, Raju Sagi, Sampath Kumar B
2.	TLP-23	Studies on evaluation of anti-diabetic efficacy of aqueous extract of <i>Murraya koenigii</i> in Streptozotocin induced diabetic rats Manjunatha S S*, M.L. Sathyanarayana, Narayanaswamy HD, Suguna Rao, Shridhar NB, Rathnamma Doddaman, Mukartal S Y, Srikanth M, Kavitha Rani B

3. TLP-24 Histological evaluation of the liver and kidney following sub-chronic consumption of Mariposa Christia vespertilionis leaf extract in male Sprague Dawley Rats
Nurul Syahirah Ahmad Sayuti*
4. TLP-25 Picrorhiza kurroa ameliotares cyclophosphamide induced peripheral neuropathy via PPAR- γ mediated pathways
Vikram Patial*, Pallavi Sharma
Pathomorphological and histopathological changes in different organs with individual and combined administration of aflatoxicosis and mycoplasmosis
5. TLP-26 in broilers chicken
Akshata S Angadi, Narayanaswamy H D, Satyanarayana M L, Suryanarayana T,
Sridhar N B, Rathnamma D
Protective effects of Eugenia jambolana against methotrexate induced oxidative damage in rat liver
6. TLP-27 Vijaya Kumar N*, Suguna Rao, Sathyanarayana M L, Narayanaswamy H D,
Shridhar N B, Srikanth M

7. TLP-28 Pancreatic beta cells neogenesis in streptozotocin induced diabetes in *Murraya koenigii* and Aloe vera treated rats
Manjunatha S S*, Sathyanarayana M. L, Narayanaswamy H D, Suguna Rao, Rathnamma Doddamane, Shridhar N B
8. TLP-29 Endocrine disrupting action of bisphenol - A on thyroid gland in rats
Amaravathi P*, Srilatha Ch, Rama Devi V, D Sreenivasulu, P Eswara Prasad
9. TLP-30 Experimental pathology of aflatoxicosis and mycoplasma infection in broiler chicken
Akshata S Angadi*, Narayanaswamy H. D, Sathyanarayana M. L, Rathnamma D, Sridhar N. B, Suryanarayana T
10. TLP-31 Effect of aqueous extracts of *Murraya koenigii* and Aloe vera on serum insulin and antioxidant levels in streptozotocin-induced diabetic rats
Manjunatha S S*, M.L. Sathyanarayana, Narayanaswamy H D, Suguna Rao, Rathnamma Doddamane, Shridhar N B

11. TLP-32 Neurotoxic effects of Datura stramonium leaf extract with special emphasis on ameliorative action of Cannabis sativa root extract in Wistar rats
Nitika Thakur*, Rajendra Patil, Damanpreet Singh, Pallavi Vashistha, Rinku Sharma, Pankaj Markand Kulurkar, Vikram Patial, Rajesh Kumar Asrani
12. TLP-33 Time-dependent progression of multiple organs failure following caecal ligation and puncture (CLP) in mice
Preeti Singh, Neeraj Singh, Satish Kumar Garg, Soumen Choudhury
13. TLP-34 Gross and histopathological finding in Lantana toxicity – A case study
Tripti Gurjar*, Dadhich R, Singh G, Kumari M, Mundotiya H, Damor P, Kumar V
14. TLP-35 Histopathological assessment of ligation induced periodontal inflammation in Wistar Rats with Bubaline fibrin glue treatment
Poranee Banyatworakul*

15.	TLP-36	Fibrinogen body within cytoplasm of hepatocytes in Carbon Tetrachloride induced rat liver fibrosis Ahmed Elfadl*, H. M. Arif Ullah, Won-il Jeong, Myung-Jin Chung, Yong Deuk Kim, Jin-Kyu Park, Kyu-Shik Jeong
16.	TLP-37	Effect of Butea monosperma in ameliorating the toxicity of Imidacloprid in liver of Japanese Quails Madhuri Hedau*, Vaishali Wankhede, Ranjit Ingole
17.	TLP-38	Acacia leucophala poisoning in sheep - A report Shilpa V.T*, Roopadevi Y.S., Girish B.C., Manjunatha K.P, Ravikumar Puttamallappa
18.	TLP-39	Drug induced cholangiocellular adenoma in a Red Lory (Eos bornea) N. Jayanthi, R. Saahithya, C. Balachandran, N. Pazhanivel, Ganne Venkata Sudhakar Rao
19.	TLP-40	Toxicopathological studies of Mimosa invisa poisoning in cattle Shridhar N B*, Kavitha Rani B, Manjunatha S S, Prasad D, Mahadeva Sharma B M, Prakash V S, Chetan M

SESSION- XI: MOLECULAR PATHOLOGY & ONCOLOGY

Invited Lectures

Sl. No.	Title
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1. Molecular epidemiology, pathogenesis and diagnosis of bluetongue
K.P. Singh
2. Prevalence, pathology and diagnosis of ovine pulmonary adenocarcinoma
V. Rama Devi
3. Dissecting pathogenesis and mechanisms involved in equine influenza virus infec
Nitin Virmani*

Oral Presentations

Sl. No	Ref. ID	Title
1.	MPO-01	Expression of P53, MDM2, P38 and Gamma tubulin in spontaneous Canine skin tumours Pawan Kumar*, Zahoor Ahmad War, Javeed Ahmad Dar, Sonali Mishra, Vidya Singh, Anil Kumar Sharma, Rajendra Singh
2.	MPO-02	Expression of CLEC5a in bone marrow and brain of JEV infected mice Menaka Sethi*, Tareni Das, Zunjar Baburao Dubal, Kaushal Kishor Rajak, Jeny K. John, Neelam Tomar, Beena Vamadevan, Guttula Saikumar

3. MPO-03
Role of heavy metal concentrations in carcinogenesis of Canine mammary tumours
Deepika Lather, R. P. Gupta*, Sandeep Kumar Gupta
4. MPO-04
Porcine reproductive and respiratory syndrome virus induces concurrent elevation of high mobility group Box-1 protein and pro-inflammatory cytokines in experimentally infected piglets
Senthilkumar D*, Katherukamem Rajukumar, Manoj Kumar, Semmannan Kalaiyarasu, Deepali Shrivastava, Megha Katare, Diwakar D Kulkarni, Vijendra Pal Singh
5. MPO-05
Histomorphometric assessment of MAGs score and mast cell distribution in Basal Cell tumor of a dog
Poorani K*
6. MPO-06
Pathology and genetic diversity of Porcine Circovirus 2 (PCV2) circulating in India
Jeny K John*, Tareni Das, Neelam Tomar, Menaka Sethi, Beena V, Saikumar G

7. MPO-07 Immunohistochemical and real time PCR expression studies on P53 protein in Canine mammary tumours
Deepika Lather*, R. P. Gupta, Aman Kumar Sinha
8. MPO-08 Histopathology and immunohistochemical expression of PCNA in canine mammary tumours
Sonali Mishra*, Javeed Dar, Neethu George, Vinay Kumar I B, Vidya Singh, Anil Kumar Sharma, Pawan Kumar
9. MPO-09 Canine cutaneous neoplasms: A cytohistological and immunohistochemical study
Thangapandiyam M, Swati Choudhury, Balachandran C, Ganne Venkata Sudhakar Rao, Sridhar R
10. MPO-10 Incidence of tumors in horses: A study of 13 cases
Amit Bhadaniya*, Vinay Kalaria, Dhaval Fefar, Jignesh Vadaliya, Mayur Chhatrola, Juhi Chauhan
11. MPO-11 Studies on sex steroid hormones and estrogen receptor α immunoreactivity in canine mammary tumours
Deepika Lather*, R. P. Gupta, Sandeep Kumar Gupta

12. MPO-12 Canine cutaneous and subcutaneous tumours: Occurrence and histopathology
Kavya N, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Ranganath L, Ansar Kamaran, Purushotham, Kishore T.K
Histopathological and immunohistochemical study of undifferentiated
13. MPO-13 Baso-squamous cell carcinoma in a mare
Babu Lal Jangir Jangir*, R. P. Gupta, Gulshan Narang, Surjeet Singh, Paramjeet Kalkot, Sandeep Kumar
Evaluation of diagnostic cytology as an alternative to conventional tissue
14. MPO-14 biopsy techniques for the rapid diagnosis and prognosis of canine mammary tumors
Swati Sharma*, Naresh Kumar Sood
Pathological studies and immunohistochemical expression of pancytokeratin, Ki-67 and P53 in
15. MPO-15 cutaneous epithelial tumours of dogs
Surjeet Singh, R. P. Gupta, Babu Lal Jangir Jangir

16. MPO-16 Pathomorphological and molecular studies on 7,12-DMBA induced mammary carcinogenesis and its suppression by cancertazkes
Jyothi Priya R*, Sakthivelan S.M., Pawar S.D., Gaidhani S.N., Balachandran C, Murali Manohar B
17. MPO-17 Studies on diagnosis and prevalence of Theileria annulata in anaemic cattle of coastal Odisha, India
Soumyaranjan Pati*, Susen Kumar Panda, Sabyasachi Pattanayak, Pramoda Kumar Sahoo
18. MPO-18 Histopathological and molecular characterization of Canine mammary tumors
Samir Raval*, Dilip Joshi, Bakor Patel, Rohit Parmar, Jasmi Patel
19. MPO-19 Primary cutaneous lymphoma in dogs: A diagnostic and immunophenotypic approach
Thangapandiyan M, Swati Choudhuri, Balachandran C, Jeyaraja K, Raja A, Sridhar R
20. MPO-20 Identification of metastatic potential of mammary tumour in dogs
Theophilus Anand Kumar Champion Devadoss*, Ramesh Radhakrishnan, Balachandran C, Mohamed Shafiuizama

21.	MPO-21	Papillary ceruminous adenocarcinoma of external auditory canal in non-descript Dog Roshni Dhule*, Biswajit Dash, Madhulika Shetye, Vitthal Dhaygude, Dattatraya Kadam, Prashant Gadhave, Kamalakar Chaudhari, Pramod Meshram
22.	MPO-22	Ovarian neoplasms in buffaloes (Bubalus bubalis) T. Srinivasan*, A. W. Lakkawar, R. Kumar, M. Goopalakrishnan Nair, K.C. Varshney
23.	MPO-23	Haemangioma of the urinary bladder in a cross-bred sheep A.W. Lakkawar*, R. Kumar, A. Abiramy, P. Tamilmaran, M Goopalakrishnan Nair

Poster Presentations

Sl. No.	Ref. ID	Title
1.	MPO-24	Detection of high copy number of viral nucleic acids in tracheal, bronchial and alveolar epithelial linings of pigs naturally infected with Influenza A/Sw/UPIndia/IVRI01/2009 K Nagarajan*, Saikumar G

2. MPO-25 Neuropathology due to apoptosis caused by PPRV in naturally infected Goats
Monalisa Sahoo*, Karampal Singh, Rajendra Singh, Dinesh M, Suraj Baloni
3. MPO-26 Immunohistochemical cytokeratin differentiation studies on Canine mammary tumours
Deepika Lather*, R. P. Gupta
Expression of Ki 67 and survivin in canine mammary gland tumours and their prognostic value
4. MPO-27 Kishor T. K*, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Byregowda S. M, Nagaraja B. N, Purushotham K. M, Kavya N
Incidence and pathology of different benign and malignant tumors in Bovines
5. MPO-28 Shruthi P.J., Sujatha Karamala, Srilatha Ch, Rayulu V.C.
Evaluation of oxidative stress parameters in Transmissible Venereal
6. MPO-29 Tumor affected dogs
Sapna Soni*, Gauri. A. Chandratre, K.K. Jakhar, Vikash Sharma

7. MPO-30 Atypical histological lesion induced by common hepatic fluke in goat liver
Precancerous Stage?
Pankaj Goswami*, Sanku Borkataki, Showkat Ahmad Shah, Majid Shafi, Naresh
Kumar Sood
8. MPO-31 Hepatocellular carcinoma with splenic metastasis in a non-descript dog
N. Jayanthi, R. Saahithya, C. Balachandran, N. Pazhanivel, Ganne Venkata
Sudhakar Rao
9. MPO-32 Concomitant lymphoma and mixed mammary tumour in a Great Dane dog
Kumar V*, Mohanapriya T, Kokila S, Pazhanivel N, Gopal K, Ramprabhu R
10. MPO-33 A case of anaplastic mammary adenocarcinoma with pulmonary metastasis in a dog
Sajitha I. S.*, Aneesh A, Divakaran Nair

11. MPO-34 Pathomorphological study on a spontaneous case of vulvar squamous cell carcinoma in a Mare
Babu Lal Jangir Jangir, Deepika Lather, Paramjeet Kalkot, Shreya Bahl*, Maneesh Sharma, R N Chaudhary, Tushar Jain
12. MPO-35 Ceruminous gland adenocarcinoma in German Shepherd dog - A case report
Roshani Padole*
13. MPO-36 Cytological and histopathological study of cervical fibroma in a bitch
Ashis Mohapatra, Debiprasanna Das, Susen Panda
14. MPO-37 Ovarian adenocarcinoma in domestic Turkeys
Samatha Valeti*, Rama Devi V, Annapurna Pillutla, Satheesh Kokila, Mahesh
Manyam, Tarakeswararao M
15. MPO-38 Survivin expression in canine cutaneous mast cell tumour and its prognostic significance
Kavya N, Suguna Rao, Sathyanarayana M. L, Narayanaswamy H. D, Ranganath L, Ansar Kamaran, Purushotham, Kishore T. K.

16. MPO-39 Ocular squamous cell carcinoma in a Horse – A case report
B.M. Kondre*, D.J. Ghodasara, B.P. Joshi, C.J. Dave, Purnima B. Jani, R. K. Prajapati, Bhumika K. Kapadiya, Y. M. Patel, S.R. Surjagade, R. B. Gondaliya
17. MPO-40 Non – Keratinized squamous cell carcinoma of gingiva in a Boxer dog
Saahithya Rajamohan*, N. Jayanthi Balamurugesan, Ganne Venkata Sudhakar
Rao, Sridhar R, Pazhanivel N, Balachandran C
18. MPO-41 Dermatologic relating primary extragenital Transmissible Venereal Tumor (ETVT) in dogs: Diagnosis and treatment
Chanokchon Setthawongsin*
19. MPO-42 A rare case of Hemangiopericytoma in a Pigeon
R.K. Prajapati*, D.J. Ghodasara, B.P. Joshi, Purnima B. Jani, C.J. Dave, B.M. Kondre, Bhumika K. Kapadiya, Y.M. Patel, S.R. Surjagade
20. MPO-43 A case report on splenomegaly with metastatic pancreatic adenocarcinoma in a Spitz
Mohanapriya T*, Sridhar R, Hemalatha S, Balachandran C.

21. MPO-44 A rare incidence of Grade II lipid-rich mammary carcinoma in an intact bitch Thangapandiyam M, Swati Choudhury, Balachandran C, Ganne Venkata Sudhakar Rao
22. MPO-45 Ovarian adenocarcinoma in a Dachshund Saahithya Rajamohan*, N. Jayanthi Balamurugesan, Pazhanivel Natesan, Balachandran C., Ganne Venkata Sudhakar Rao
23. MPO-46 Gastric adenocarcinoma in a non-descript dog Pazhanivel Natesan*, Saahithya Rajamohan, N. Jayanthi Balamurugesan, Mohamed Ali M.G, Balachandran C., Ganne Venkata Sudhakar Rao
24. MPO-47 Feline-type Basal cell tumor in a dog Seoung-Woo Lee, Hoon JI, Dong-Kuk Yuh, Sang-Hwa Lee, Su-Min Baek, Kyu Shik Jeong, Jin-Kyu Park*
25. MPO-48 Rare juvenile tumour in cattle calf Poornima Gumasta*, Madhu Swamy, Amita Dubey, Neha S.
26. MPO-49 An abdominal fibrochondroma in Rottweiler dog – A case report Deepika Ghodke*

27. MPO-50 Metastatic chondrosarcoma in a sheep
Swathi Bora*, Radhakrishnarao Jorige
Certain tumors in different breeds of dogs
28. MPO-51 Diptimayee Sahoo*, Vineetha S, Nitin CJ, Megha Kaore, Rohit Singh, Madhulina Maity, Pawan Kumar, Karampal Singh
Transition of papilloma to squamous cell carcinoma in a teat of cow
29. MPO-52 Yathish Gowda, C., Shivkumar, E., Suguna Rao, Anjan Kumar, Jeevan, K., Nethra K.Gowda., Manjunath S. Mayachari.
Cholangioma (Biliary cystadenoma) in cattle
30. MPO-53 Dong-Kuk Yuh, Seung-Woo Lee, Sang-Hwa Lee, Su-Min Baek, Kyu-Shik Jeong, Jin-Kyu Park*
Testicular fibroma in a rabbit
31. MPO-54 Sang-Hwa Lee, Seung-Woo Lee, Dong-Kuk Yuh, Su-Min Baek, Kyu-Shik Jeong, Jin-Kyu Park*
Complex mammary carcinoma in a bitch
32. MPO-55 Supriya Shukla*
Vaginal fibroleiomyoma in an adult cow
33. MPO-56 Supriya Shukla*

34.	MPO-57	Seminoma in dogs: A pathological study Ashis Mohapatra, Debiprasanna Das, Susen Panda
35.	MPO-58	Incidence of fibromatous epulis in dogs in Gujarat Y.M. Patel*, D.J. Ghodasara
36.	MPO-59	A case study on haemangiopericytoma in a female dog Dilip Kumar D. N*, Suguna Rao, Amith N. G, Amulya V. R, Nitish Kallianpur
37.	MPO-60	Haemangiosarcomas of dog Amith N. G*, Dilip Kumar D. N, Sandesh K. V, Lohitha H. D, Nagaraja B. N
38.	MPO-61	Incidence and histopathological study of tumours of dogs in Bengaluru Anjan Kumar K. R*, Yathish Gowda C, Jeevan K, Manjunath S Mayachari, Suguna Rao, Narayana Swamy H. D, Satyanarayana M. L

SESSION- XII: CLINICAL PATHOLOGY

Invited Lecture

Sl.No.	Title
1.	Clinical pathology: As a tool for diagnosis of canine diseases S. Vairamuthu
2.	Toxic neutrophils as prognosticators of animal disease Naresh Kumar Sood

Oral Presentations

Sl. No.	Ref. ID	Title
1.	CP-01	Clinicopathological findings and diagnosis of Canine Distemper Virus (CDV) infection in dogs Mridumrita Buragohain*, Sushanta Goswami
2.	CP-02	Prevalence and clinico-pathological studies of haemoprotozoan parasitic infection of cattle in Tamilnadu, India Kumar V*, Mohanapriya T, Pazhanivel N, Gopal K, Thangathurai R, Rampra
3.	CP-03	Hematobiochemical alterations with snake bite in dog - A case report Roshani Padole*
4.	CP-04	Note on some important hematological findings in ailing Canines in Mumbai

Biswajit Dash*, Vitthal
Dhaygude, Kalyani Lothe,
Trisha D'Souza, Santosh
Moregaonkar, Dattatraya
Kadam

5. CP-05 Comparative study of hematology and serology (LDH) parameters in mice
model given inactivated reverse genetically engineered equine influenza virus vaccine candidate
Manu Mathew
6. CP-06 Clinico pathological study of Seterial microfilariasis in Bovine
Kumar V*, Mohanapriya T, Pazhanivel N, Gopal K, Thangathurai R, Ramprabhu R
Hematological and serum biochemical alterations in Paratuberculosis
affected sheep
7. CP-07 Srikanth M, Narayanaswamy H D, Sathyanarayana M. L, Suguna Rao, Rathnamma Doddamane, Manjunatha S S, Vijaya Kumar N, Prashanth A G
Effect of Withania somnifera root powder administration on hematological parameters in Cadmium intoxicated chickens
8. CP-08 Shree Niwas Yadav

9.	CP-09	Experimental comparative toxicopathology of water salinity on hematobiochemical parameters in Wistar rats Ranjit Ingole*, Madan Joshi, Sadashiv Mode, Shailendra Kuralkar, Sunil Hajare, Madhuri Hedau
10.	CP-10	Ameliorative effects of Withania somnifera root powder administration on hematological parameters in Lead treated chickens Amandeep Arora
11.	CP-11	Evaluation of regional lymph node aspiration cytology in detecting metastasis of Canine tumours Thangapandiyam M*, Balachandran C, Jeyaraja K, Raja A, Sridhar R
12.	CP-12	A study on detection of parasites in soil samples Shakuntala Kage*
13.	CP-13	Cytological examination of fine needle aspirates Amaravathi P*, Suresh Kumar R V, Rani Prameela D

Poster Presentations

Sl. No.	Ref. ID	Title
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1. CP-14 Haemato-biochemical observations in experimentally induced Indoxacarb toxicity in female Wistar Rats
Anjali Sonphule*, Santosh Moregaonkar, Minhaj Ali Khan, N. Z. Gaikwad,
Nagnath Bhojane
2. CP-15 Investigation of haemotropic Mycoplasmosis on Feline blood smears using Field's staining technique
Dhanush Krishna B*, Syamala K, Jayakumar C, Laju M Philip, Ameldev P, Syam K Venugopal
3. CP-16 Clinico-pathological studies of mastitis in cows
Rajendra Tripathy*, Prasana Rath, Susen Panda, Bidyut Prava Mishra, Biswadeep Jena
4. CP-17 Clinico-haematological alterations and therapeutic management of Tick Borne Fever in cross bred cow
Gauri Chandratre*, Babu Lal Jangir Jangir, Maneesh Sharma, Krishnkumar Jakhar
5. CP-18 Rearing and morphological identification of third stage larvae of Calliphorid flies
Geetha N*

6. CP-19 Clinicopathological evaluation of steroid responsive meningitis arteritis (SRMA) in a dog
Harish Lompiyan Janarthanan*,
Saahithya Rajamohan,
Thirunavukkarasu P,

Balagangathara Mani,
Vairamuthu S
7. CP-20 Clinicopathological and molecular detection of cerebral form of Ehrlichiosis in a German Shepherd
Harish Lompiyan Janarthanan*,
Saahithya Rajamohan,
Thirunavukkarasu P,
Jeyaraja K, Nagarajan B, Nagarajan Kumaresan, N. Jayanthi Balamurugesan
8. CP-21 Cytological and histopathological findings in non-neoplastic and neoplastic affections of the external ear in dogs
Krystle Mahbubani, Monika Thakur,
Naresh Kumar Sood and Arun Anand

9. CP-22 Evaluation of various hemato-biochemical and histo-pathological changes in Transmissible Venereal Tumor affected dogs
Sapna Soni, K.K. Jakhar, Gauri. A. Chandratre
10. CP-23 Clinical and laboratory diagnosis of common bacterial diseases of broiler and layer chickens in Jammu Region
Mir Mudasir*, Faizan Javid, Nawab Nashiruddullah, Gulzar Badroo, Mahrukh
Hafiz, Salena Janjua
11. CP-24 Cytological diagnosis of Transmissible Venereal Tumour in Canines (cTVT)
Naresh Kumar Sood, Monika Thakur, Swati Sharma, Shashi Kant Mahajan, Ashwani Sharma
12. CP-25 Study on haematological alteration in Transmissible Venereal Tumour affected dogs
Sapna Soni*
13. CP-26 Effect of nano-alumina in haematological parameters of White Leghorn chickens
Seema Agarwal*

14. CP-27 Serum glutathione peroxidase level in leukaemia -lymphoma rats treated with mixtures of Morinda citrifolia fruit and Clinacanthus nutans leaf extracts
Sajjarattul Nurul Nadia Asyura, Hazilawati Hamzah, Mohamad Rosly Shaari, Norhaizan Mohd Esa, Noordin Mohamed Mustapha, Shnamugavelu Sithambaram
15. CP-28 Evaluation of regional lymph node aspiration cytology in detecting metastasis of canine cutaneous and subcutaneous tumours
Thangapandiyan M*, Balachandran C, Jeyaraja K, Raja A, Sridhar R
16. CP-29 Clinicopathological features of canine multicentric lymphoma
Thangapandiyan M, Swati Choudhury, Balachandran C, Jeyaraja K, Raja A, Sridhar R
17. CP-30 Haematological aspects of renal failure in canines
Dilip Kumar D. N*, Narayana Swamy H. D, Suguna Rao, Jagadeesh S. Sanganal, Jamuna K.V

		Biochemical changes in renal failure dogs
18.	CP-31	Dilip Kumar D. N*, Narayana Swamy H. D, Suguna Rao, Jagadeesh S. Sanganal, Jamuna K.V
		Blood smear evaluation: An ancillary informative diagnostic technique
19.	CP-32	Anjan Kumar K. R*, Yathish Gowda C, Jeevan K, Manjunath Mayachari S, Suguna Rao, Narayana Swamy H. D, Satyanarayana M. L
		Cytological diagnosis on various clinical samples for a period of five years
20.	CP-33	Netra K Gowda*, Suguna Rao, Satyanarayana M. L, Manjunath Mayachari S, Jeevan K, Mohamed Ghouse, Narayana Swamy H. D

SESSION- XIII: ICVP SESSION

Sl. No	Ref. ID	Title
1.	ICVP-01	Cardiac echinococcosis in a buffalo Krupa T L*, Prasanna K S, Kavya M, Sumanth Bedre, Anooprajraj R, Hamza Palekkodan, Ajith Jacob George, Pradeep M, Yashas R Kumar

2. ICVP-02 A case report of canine inter-digital haemangioma
Kavya M*, Krupa T L, Anoopraj R, Hamza Palekkodan, Sumanth Bedre, Ajith
Jacob George, Prasanna K. S, Sajitha IS
3. ICVP-03 A case of suppurative pericarditis in cross bred cattle
Sunayana Baruah*, Sarojini M. Tamuli
4. ICVP-04 Mixed parasitic infection of Strobilocercus fasciolaris and Mastophorus spp. in a laboratory mouse
Sunayana Baruah*, Sarojini M. Tamuli
5. ICVP-05 Metastatic pheochromocytoma in a dog
Swati Choudhury*, Thangapandiyan M, Balachandran C, Mugale M N
6. ICVP-06 A unique case of multiple fibropapillomatosis with in situ fibrosarcoma in a cow
Monika Thakur*, Naresh Kumar Sood, Kuldip Gupta, Tarunbir Singh, Bhupinder Singh Sandhu
7. ICVP-07 Cell blocks bridge the gap between cytopathology and histopathology - A case study on canine mammary tumors
Swati Sharma , Naresh Kumar Sood*

8. ICVP-08 Multifactorial disease in a Goose - Marek's disease, verminous enteritis, hepatic haemangioma and renal cystadenoma
R. Saahithya, C. Balachandran*, N. Jayanthi, N. Pazhanivel
9. ICVP-09 Unilateral pleural epitheloid mesothelioma: a case report
Manjunatha K. P, Suguna Rao*, Hemanth I, Manjunath Mayachari S, Jeevan K, Satyanarayana M L, Narayanaswamy H. D
10. ICVP-10 Canine spontaneous cutaneous squamous cell carcinoma: A case report
Kavya N, Suguna Rao, Sathyanarayana M.L, Purushotham, Kishore T.K, Vijayakumar N, Byregowda T.R, Syeda Sumaiya
11. ICVP-11 Occurrence of systemic invasive aspergillosis in a poultry farm
Akshata S. A, Sathyanarayana M. L, Shashidhar Ballari, Jeevan K, Prashant A. G, Hemanth I
12. ICVP-12 Oral melanoma in a Rottweiler dog
N. Pazhanivel, C. Balachandran, N. Jayanthi, R. Saahithya, Mohamed Ali, Ganne Venkata Sudhakar Rao

13. ICVP-13 An outbreak of porcine reproductive and respiratory syndrome (PRRS) in Karnataka
Manjunath Mayachari S*,
Sathyanarayana M. L, Suguna Rao,
Chandranaik
B. M, Byregowda S. M, Venkatesha M.
D, Jeevan K, Mohamed Ghouse H,
Netra K Gowda
14. ICVP-14 Per acute leptospirosis in German shepherd dog- A case report
Byreowda T. R*, Suguna Rao,
Sathyanarayana M. L, Narayanaswamy
H. D,
Kavya N, Shwetha H. S, Manjunatha
Reddy G. B, Blamurugan V, Jeevan K
15. ICVP-15 Johne's disease (Mycobacterium avium subspecies paratuberculosis infection) in a Gaddi goat - A case study
Monika Thakur*, Vipin K Gupta
16. ICVP-16 A suspected case of metastasizing enterochromaffin cell tumour of intestine
Jeevan K*, Suguna Rao, Mohamed
Ghouse H, Manjunath Mayachari S,
Netra
K Gowda, Satyanarayana M. L

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