

ABSTRACTS-(JCDR-2017, VOLUME-13) Canine Research

1. Infections Canine Hepatitis - An Overview

Department of Clinical Veterinary Medicine
CVAS, Bikaner - 334001 , Rajasthan,India.

¹Former Director Clinics cum Professor & Head ² Ph D.Scholar

*Corresponding author e-mail : anil_ahuja@mail.com Mobile : 9414230453

ABSTRACT

The present review article include introduction , etiopathogenesis, risk factors , transmission, Signs and symptoms , clinico-pathology, diagnostic imaging , biopsy , post mortem findings, diagnosis , differential diagnosis , therapy , prognosis and prevention of infectious canine hepatitis.

2. Prevalence of Dermatological Disorders Complicated with Bacterial Infections in Dogs

Vikram Malik¹, Sandeep¹, Rajesh Singathia², Rakesh Kumar³ and *Rajendra Yadav⁴

Department of Veterinary Clinical Medicine, Ethics and Jurisprudence
College of Veterinary Sciences, Hisar - 125004, Haryana, India

¹Veterinary Surgeon, Department of Animal Husbandry, Govt. of Haryana.

²Assistant Professor, Department of Veterinary Microbiology, CVAS, Navania (RAJUVAS, Bikaner).

³Professor and Head (Retd.)

⁴Animal Health Specialist (Vety. Medicine), RVDEC, Mahendergarh (LUVAS) Hisar.

*Corresponding author e-mail: drrajendrayadav@gmail.com Mobile – 9729922727

ABSTRACT

A study conducted on 172 dogs affected with various skin lesions revealed occurrence of sarcoptic mange (41.28%), bacterial dermatitis (22.09%), allergic dermatitis (14.53%), skin wounds (12.79%) and demodectic mange (9.30%). Bacterial invasion was found in 54.65% clinical cases of skin disorders. Skin lesions complicated by bacterial infections were found to occur more frequently in 0-6 months of age group (26.59%) with more susceptibility in females (56.38%). Bacterial invasive lesions occurred more frequently on abdomen and back and the least surrounding the eyes and head. Staphylococcus spp. (74.46%) was the predominant bacteria isolated from various dermatological disorders in dogs followed by *E. coli*, *Streptococcus spp.*, *Pseudomonas spp.*, *Klebsiella spp.*, *Corynebacterium spp.*, *Proteus spp.* and *Bacillus spp.* Multiple bacterial infections with more than one species also recorded in 23.40% cases.

3. A Study on Gastroenteritis Related Haematological, Electrolyte and Blood Gas Alterations in Dogs

*Rajendra Yadav¹, Divya Agnihotri² and Ricky Jhambh³

Teaching Veterinary Clinical Complex

College of Veterinary Sciences, LUVAS, Hisar- 125004 (Haryana)

¹Animal Health Specialist, (Vety. Medicine), Regional Referral Veterinary Diagnostic and Extension Centre, Mahendergarh

(LUVAS, Hisar) ^{2,3}Assistant Professor, Department of Veterinary Medicine

*Corresponding author: drrajendrayadav@gmail.com Mobile no.: 9729922727

ABSTRACT

A study was conducted on canine gastroenteritis in a total of 10 dogs of different breeds, aged from 2 months to 4 years and included male and female both. Ninety per cent occurrence of gastroenteritis was recorded in young dogs aged from 2 months to 3 years and males were more affected than females. Affected dogs were presented with the history of inappetance to anorexia, vomition and diarrhoea, and clinical examination revealed dehydration, dullness and depression. Estimation of haematological, electrolytes and blood gas parameters in the gastroenteritis affected dogs revealed anaemia, lymphocytosis, hyponatremia, hypochloraemia, hypocalcaemia with increased values of pCO₂ and HCO₃⁻ whereas decrease in the values of pO₂.

4. Management of Ehrlichiosis Associated Thrombocytopenia in Dogs

*D. Agnihotri¹, Neeraj Arora², Gauri Chandratre³ and Manish Pareek⁴

Veterinary Clinical Complex

College of Veterinary Sciences, LUVAS, Hisar - 125004 (Haryana) ,India

^{1,2,3}Assistant Professor ²Department of Veterinary Surgery and Radiology

³Department of Veterinary Pathology ⁴Veterinary Surgeon, GVH, Tappa, Bilochpur ,Haryana

*Corresponding author e-mail: dr_divya_agnihotri@yahoo.co.in Mob:8398051249

ABSTRACT

Three dogs brought to the canine outdoor, with a history of tick infestation, dullness, pale mucous membranes, intermittent fever and epistaxis. Hematology revealed severe thrombocytopenia and the presence of *E. canis* as the intracytoplasmic inclusions in white blood cells. Ultrasonography of abdomen showed rough and fragile appearance of hepatic lobes with accumulation of fluid . The affected dogs were treated with the extract of Carica papaya leaves and Oxytetracycline. A significant increase in thrombocyte count was observed in all the three dogs post treatment. Follow up of the treatment was continued with Doxycycline with successful recovery.

5. Thyrotropin Deficiency and Secondary Hypothyroidism in a Dog - A Case Report

*Anil Gattani¹, Ajeet Kumar¹, Rajesh Singathia², Sita Ram Gupta³ and Rajendra Yadav⁴

Department of Veterinary Biochemistry

Bihar Veterinary College, Patna. (Bihar) India

^{1,2,3}Assistant Professor ²Department of Veterinary Microbiology, CVAS, Navania, Udaipur ³Department of Clinical

Veterinary Medicine, CVAS, Bikaner

⁴Animal Health Specialist (Vety. Medicine), RVDEC, (LUVAS) Mahendergarh, (Haryana) Hisar

*Corresponding author e-mail: gattanianil@rediffmail.com Mobile No: 9870789344

ABSTRACT

A case of secondary hypothyroidism due to TSH deficiency in a female dog of Pug breed and successful therapeutic management with thyroxine sodium is reported.

6. Successful Management of Multicentric Lymphoma in a Dog - A Case Report

*Garud K.V.¹ Natu K.V.¹, Ambati V.S.², Rohi R.R.³, Dagli N.R.³, Koujalagi Suraj⁴, Subash Chandra⁵, Jaybhaye Rajkumar⁵,

Gaikwad R.V.⁶

Department of Veterinary Clinical Medicine, Ethics and Jurisprudence, Bombay Veterinary College, Parel, Mumbai -

400012, Maharashtra, India

¹Scientist, Animal Sciences, Department of Veterinary Nuclear Medicine

²Students (Final year B.V.Sc. & A.H.) ³Hospital Registrar, TVCC ⁴Ph.D. Scholar

⁵M.V.Sc. Students ⁶Professor and Head

*Corresponding author e mail: Kaustubh.garud@gmail.com Mobile: 9821367262

ABSTRACT

A four and half year old female Labrador Retriever was presented with complaint of anorexia and on physical examination showed generalised lymphadenopathy, hepatomegaly and splenomegaly. FNAC was done by aspirating the contents from popliteal lymph nodes which showed the cytological pictures suggestive of lymphoma. Radiographic examination was done to check presence of metastasis in thorax and abdomen. Mediastinal lymph node were observed to be enlarged on chest lateral radiograph. Ultrasonography revealed enlarged splenic and mesenteric lymph nodes. The case was identified as that of multicentric lymphoma and was treated successfully following CHOP protocol for treatment of lymphoma.

7. Cheyletiellosis in a Dog - A Case Report

*Deepika Dhuria¹, Shivangi Pandey², Vijesh Saini³ and Anil Ahuja⁴

Department of Clinical Veterinary Medicine, Ethics and Jurisprudence,
College of Veterinary and Animal Science, Bikaner - 334001, Rajasthan, India

¹Assistant Professor ²MVSc. Student. ³Teaching Associate ⁴Professor

*Corresponding author e-mail : drdeepikaduria@gmail.com Mobile : 8209993694

ABSTRACT

A 4 month non-descript dog was presented with a history of scaly lesion and hair loss on the dorsum of the dog. Deep skin scrapping examination revealed the presence of *Cheyletiella yasguri* mites. The dog was successfully treated with ivermectin, amitraz, amiconazole and chlorhexidine.

8. Diagnosis and Therapeutic Management of Parvoviral Gastroenteritis- A Case Report

*Shreya Y. Buduk¹, Radha S. Bhoite², Kaustubh V. Garud³, R.V. Gaikwad⁴, Vitthal Dhaygude⁵, Pramod Meshram⁵,

P. Bomble⁶ and N. Bembde⁶

Department of Veterinary Clinical Medicine, Ethics and Jurisprudence, Bombay Veterinary College, Parel

Mumbai - 400012, Maharashtra, India

^{1,2,6}M.V.Sc. Student ²Department of Veterinary Epidemiology and Preventive Medicine ³Scientist, Animal Sciences,

Department of Veterinary Nuclear Medicine ⁴Professor ⁵Professor

^{5,6}Department of Veterinary Pathology

*Corresponding author e-mail - kaustubh.garud@gmail.com Mobile: 9821367262

ABSTRACT

An adult non-descript male dog was presented with a complaint of anorexia and vomiting. The dog has history of elevated creatinine level 20 days ago, and was settled at 2.2mg/dl. Upon current presentation, the dog demonstrated dehydration, sublumbar swelling with pain on palpation, mild anemia, low hematocrit, profound thrombocytopenia and severe uremia (creatinine-26.11mg/dl). Ultrasound exam revealed severe bilateral hydronephrosis with distended ureters. Refusal by owner for surgery dictated conservative treatment, which could support him for 3 days. On necropsy, bilateral hydronephrosis and hydroureters was confirmed secondary to distal ureteral calculi. Urine culture was positive for *Escherichia coli* indicating pyelonephritis. Sub acute nephritis affecting interstitium, tubules and glomerulus was observed on histopathology. In this case bilateral ureteral obstruction resulting in infected hydronephrosis and renal dysfunction was diagnosed.

9. Ureteral Obstruction Causing Hydronephrosis and Pyelonephritis in A Dog- A Case Report

*Savita¹, Yogesh Soni², Anil Ahuja³ and T.C. Nayak¹

Department of Clinical Veterinary Medicine, Ethics and Jurisprudence,
College of Veterinary and Animal Science, Bikaner - 334001 ,Rajasthan, India

¹Ph. D Scholar ²Teaching associate, VCC ³Professor

*Corresponding author e-mail : drnandalsavita@gmail.com Mobile : 8209993694

ABSTRACT

A male Labrador dog of three years age was presented with the history of snake bite and having bloody salivation and abnormal gait. The dog had fang marks of snake bite on their nose. Hematological examination revealed decrease in haemoglobin concentration, PCV, TEC and increase leukocytes count. The dog was treated successfully with antsnake venom, dexamethasone, ethamsylate ,antibiotic and fluid therapy.

10. Therapeutic Management of Snake Bite in a Dog- A Case Report

*Savita¹, Yogesh Soni², Anil Ahuja³ and T.C. Nayak¹

Department of Clinical Veterinary Medicine, Ethics and Jurisprudence,
College of Veterinary and Animal Science, Bikaner - 334001 ,Rajasthan, India

¹Ph. D Scholar ²Teaching associate, VCC ³Professor

*Corresponding author e-mail : drnandalsavita@gmail.com Mobile : 8209993694

ABSTRACT

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11. Comparative Study of Induction and Recovery Quality with Propofol and Isoflurane Anaesthesia in Premedicated Dogs

*Satveer Kumar¹, Sakar Palecha², P. Bishnoi³, Mahendra Tanwar², Satyaveer Singh², and Suresh Kumar Palsania⁴

Department of Veterinary Surgery and Radiology,

College of Veterinary and Animal Science, Bikaner-334001, Rajasthan, India

¹Teaching Associate ²Assistant Professor ³Associate Professor & Head ⁴Ph.D. Scholar

*Corresponding author e-mail: satveerkmt@gmail.com Mobile : 9529805674

ABSTRACT

A clinical study was conducted to compare induction and recovery following propofol and isoflurane anaesthesia in 16 premedicated dogs. All the dogs were randomly assigned to 1 of 2 anaesthetic induction groups (n=8). In group A, induction of anaesthesia was achieved by propofol (4mg/kg, IV). In group B, induction of anaesthesia was achieved by inhalation of isoflurane in 100% oxygen using face mask. Anaesthesia was maintained with isoflurane (1-2%) in 100 % oxygen. Induction with propofol (4mg/kg) in group A had shorter mean induction time (61.88 ± 4.71 seconds) compared to (327.88 ± 18.89 seconds) with isoflurane in group B. Intubation takes average 29.88 ± 2.75 seconds vs 33.63 ± 3.24 sec with average number of attempts to intubation in dogs of group A 1.38 ± 0.18 compared to 1.5 ± 0.19 in group B. The overall induction score achieved in group A is 3.75 ± 0.16 was significantly higher as compared to induction score of 3.25 ± 0.25 in group B. The recovery was statistically shorter in group B (6.08 ± 0.58 minutes) than group A (8.34 ± 1.14 minutes). The speed of recovery in group A was judged by extubation time (7.38 ± 1.11 minutes), time to first head lifting (9.9 ± 1.53 minutes), first regain of sternal recumbency (15.31 ± 1.95 minutes), time to first unaided walking (38.13 ± 2.89 minutes). Whereas, in group B, extubation time (5.28 ± 0.50 minutes), time to first head lifting (8.19 ± 1.10 minutes), first regain of sternal recumbency (15.13 ± 1.28 minutes), time to first unaided walking (35.25 ± 1.96 minutes). The mean score values of recovery quality in group B were recorded as 3.75 ± 0.16 compared to 3.5 ± 0.27 in animals of group A. Overall observations showed that propofol and isoflurane produced clinically acceptable anaesthesia in dogs for conducting various surgical operations.

12. Surgical Management of Cherry Eye in Dogs

N.P. Singh¹, *S.K. Jhirwal² and T.K. Gahlots³

Department of Veterinary Surgery and Radiology

College of Veterinary and Animal Science, Bikaner-334001, Rajasthan, India

¹VO, Rural Polyclinic, Hingonia, Jaipur ²Assistant Professor ³Professor & Head

*Corresponding author e-mail: jhirwal72@gmail.com Mobile : 9414242872

ABSTRACT

Retrospective 35 canines with analysis of presented different ophthalmic affections, revealed prolapse of the gland of third eye lid (Cherry eye) in 3 dogs surgically. Cherry eye was successfully surgically managed by pocket technique in two dogs and by anchor method in one dog.

13. Surgico-Therapeutic Management of Aural Haematoma in Dogs

*Ravendra Singh¹, Sakar Palecha², S.K. Jhirwal³ and P. Bishnoi⁴
Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Science, Bikaner - 334001, Rajasthan
India

¹Teaching Associate ^{2&3}Assistant Professor ⁴Associate Professor & Head

*Corresponding author: e-mail: ravendra.009@gmail.com Mobile : 7597757591

ABSTRACT

Successful surgico-therapeutic management of aural haematomas in three dogs is reported.

14. Cutaneous Myiasis in a German Shepherd Dog- A Case Report

*A. A. Vagh¹, S. V. Mavadiya¹, S. A. Mehta¹, J. A. Vala¹, S. M. Parmar¹ and R. M. Patel²

Department of Veterinary Medicine
Vanbandhu College of Veterinary Science and Animal Husbandry
Navsari Agricultural University, Navsari - 369 450 Gujarat, India

¹Assistant Professor ²Professor

* Corresponding Author- E-mail: dr_vagh@yahoo.co.in Mobile : 94277 39500

ABSTRACT

A 7 year old German Shepherd female dog was accidentally dragged by motor vehicle, neglected and presented with skin sloughing and cutaneous myiasis. Dog was clinically managed by manual removal of maggots followed by regular antiseptic dressing along with parenteral administration of antibiotic, anti-inflammatory and maggoticidal drugs. An uneventful recovery was noticed after 30 days of treatment.

15. Antibiotic Resistance Pattern of Escherichia Coli Isolated from Dogs with Routine Infections

*Farah Naz Faridi¹, Mudit Sharma² and Yash Mangal³
Mudrakshi Histology Centre, New Sanganer road, Jaipur, Rajasthan, India

^{1,2}Independent Researcher ³Animal Welfare Worker

* Corresponding author e-mail:- farah.faridi@gmail.com Mobile – 8003396828

ABSTRACT

Total 24 genetically confirmed *E. coli* isolates were tested for susceptibility to 16 antibiotics. Most of the isolates were multi drug resistant (towards three or more antibiotics). Fosfomycin was the only antibiotic towards which the maximum isolates were recorded sensitive. The study reveals an alarming rate of multi resistant *E. coli* isolated from dogs with clinical implications and further suggests the characterization of these *E. coli* isolates with regards to antibiotic resistant genes.

16. Dachshund Dog - A Breed Review

*Basant Bais¹ and R.N. Kachwaha²

Department of Livestock Products Technology

College Of Veterinary And Animal Science, Bikaner- 334001, Rajasthan, India

¹Professor and Head ²Professor (Reemployed)

*Corresponding author e-mail: basantbais@gmail.com Mobile : 9413311741

ABSTRACT

Breed origin, physical characteristics, care and use of Dachshund dog is reported.

17. Ojos Azules - A Breed Review

*Naveen Kumar Singh¹, Piyusha Singh², Anil Ahuja³ and J.P. Kachhawa⁴

Teaching Veterinary Clinical Complex

C.V.Sc.&A.H. NDUAT, Kumarganj, Faizabad-224 229 (U.P.)

^{1,4}Asstt. Prof. ²SRF ³Ex-Prof. & Head ^{3,4}CVAS, Bikaner (Rajasthan)

*Corresponding author - e mail:vetnaveen@gmail.com Mobile : 9670644583

ABSTRACT

Breed origin, physical characteristics, care and use of Ojos Azules Cat is reported.