

ABSTRACTS-(JCDR-2018, VOLUME-14) Canine Research

1. Scenario of Canine Coronavirus in India

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ABSTRACT

The present review article include introduction , etio-pathogenesis,risk factors , transmission, signs and symptoms , clinico-pathology, diagnostic imaging , biopsy , post mortem findings , diagnosis , differential diagnosis , therapy , prognosis and prevention of Canine Coronavirus infection.

2. Canine Urolithiasis - A Review

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ABSTRACT

The present review article include introduction, epidemiology, causes, predisposition and risk factors, etiopathology, initiation or nucleation, relative supersaturation, growth and fate of urolith of canine urolithiasis.

3. Non Surgical Fertility Control in Male and Female Dogs - The Current Status

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ABSTRACT

The present review article analyse the methods of non-surgical control of fertility in dogs like Hormone agonists and antagonists, immunocontraception, cytotoxin conjugates, chemical targeting, contraception devices and gene therapy.

4. Age, Breed and Sex Wise Prevalence of Canine Dilated Caedimypathy in Dogs of Mumbai Region

*K.H. Ingole¹, R.D. Velhankar², C.N. Galdhar³, R.R. Rohi¹, N.R. Dagli¹ and R.V. Gaikwad⁴

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ABSTRACT

Total 6631 dogs were presented at TVCC for various ailment during one-year study period, out of these dogs 30 dogs were diagnosed for dilated cardiomyopathy (DCM) according to history, clinical signs, radiography examination, Electrocardiographic readings and echocardiographic evidence of cardiac enlargement. The overall prevalence rate of DCM in dog during the period at 0.45%. The sex wise prevalence was presented in male dogs 0.64% and 0.15% in female. According to age wise study recorded highest prevalence of DCM in dogs of age group between 5 - 10 years. Breed wise higher prevalence of DCM in Labrador breed. However, it cannot be considered as true prevalence of DCM because Labrador breed is the most popular breed in the Mumbai region.

5. Homeopathy in Canine Practice - A Review

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ABSTRACT

The present review describe the use of homeopathic drugs in therapy of various diseases of canines.

6. Study of M-Mode Echocardiographic Parameters in Healthy and Dilated Cardiomyopathy Affected Labrador Dogs

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ABSTRACT

Adult Labrador dogs (n=14) with clinical signs of weakness, lethargy, exercise intolerance, abdominal distension, dyspnea coughing, ascites, cardiac murmur, atrial fibrillation, pulse deficit, cyanotic mucous membrane affected with dilated cardiomyopathy (DCM) were evaluated by M-mode echocardiography and compared with similar evaluation in healthy adult Labrador dogs (n=6). M-mode left ventricular dimension values of LVDD and LVDs in DCM group were greater with a control group. The EF % and FS % values in DCM group were lower than in control group. Mean heart weight to body weight (bwt.) ratio was calculated and in Control group it measured 3.20 gms/Kg bwt. while in DCM group it measured 6.98gms/Kg bwt. EPSS in DCM group was higher by 382.5% with control group. LA and LA/Ao values in DCM group were greater than control group 62.06% and 39.10%, respectively. Present study reported values of LVDD, LVDs, LA and LA/Ao in DCM group were greater than control group. The EF % and FS % values in control group was higher than DCM group.

7. Diagnosis and Therapet Management of Mixed Infection of Hepatozoonosis and Erhlichiosis in a Pit Bull Dog - A Case Report

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ABSTRACT

A male Pit Bull dog of four years age was presented to canine outdoor with the history of tick infestation, fever, off feed and melena. Hematological evaluation revealed decrease in haemoglobin and total erythrocyte count. examination Giemsa?stained blood smear revealed morulae in mononuclear leukocytes and in neutrophils and gamonts of Hepatozoon canis in neutrophils. Ultrasonographic examination of abdomen revealed splenomegaly and hepatomegaly. The case was treated successfully with oxytetracycline, prednisolone, vetalgin, botropase and ascorbic acid.

8. Successful Management of Canine Demodicosis and Association Complications

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ABSTRACT

A case of chronic demodectic mange, non responsive toroutene therapy and complicated with secondary skin and urine tract infection and lameness is reported in the present case report. Successful management of complicated canine demodicosis in a pure bull dog breed with Ivermectin and sensitive antibiotics is elaborated.

9. Hospital Prevalence and Evaluation of some Factors Contributing to Renal Insufficiency in Canines

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ABSTRACT

The hospital prevalence of renal insufficiency in canines was found 3.74%. The effect of gender were found in males 56.47% and in females 43.53% of dogs suffered from renal insufficiency and homemade, homemade Plus Commercial diets were found in males 64.71% and in females 35.29%, respectively.

10. Demodicosis in a Dog - A Case Report

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ABSTRACT

A male Pakistani Bully dog of four years of age was presented to canine outdoor with history of inappetence, erythema, pruritis, alopecic lesions on thighs, elbows and especially on face around eyes. Microscopic examination of deep skin scrapping revealed the presence of *Demodex canis* mites. The case was treated successfully with ivermectin, benzyl peroxide shampoo, amitraz 0.31%, omega 3 and omega 6 fatty acids. The dog recovered completely following 45 days of treatment.

11. Clinical Management of Postpartum Eclampsia in a Female Dog - A Case Study

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ABSTRACT

A three years old, bitch after 5 days of whelping was presented with the history of restlessness, nervousness, convulsion, recumbent and anorectic. The clinical examination revealed pyrexia, tachycardia, muscular twitching, incoordination, convulsive seizures and ataxia. The biochemical examination revealed hypocalcaemia, hypophosphatemia and hypoproteinaemia. On the basis of history, clinical observation and biochemistry the case was diagnosed as eclampsia. The bitch was successfully treated with 10% of calcium gluconate, 5% dextrose, prednisolone, phenobarbitone and vitamin B1, B6 and B12.

12. Babesiosis in a Dog - A Case Report

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ABSTRACT

inappetance, fever. The clinical examination showed high rectal temperature, ticks infestation, dehydration, pallor mucus membrane and tachycardia. The peripheral blood smear and haematobiochemical examination revealed presence of intraerythrocytic piroplasm, decreased haemoglobin level, total erythrocytic count (TEC), packed cell volume (PCV), lymphocytes and albumin globulin ratio (A:G). increased total leucocyte count (TLC), neutrophils, eosinophils, alkaline phosphatase(ALP), alanine aminotransferase (ALT), aspartate aminotransferase(AST), blood urea nitrogen (BUN) ,globulin were observed. The dog was successfully treated with diminazene aceturate, meloxicam, doxycycline, ranitidine, pantoprazole and iron supplement with B complex.

13. Medical Management of Janudice in a Dog - A Case Report

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ABSTRACT

A seven months old dog was presented with a history of anorexia, lethargy, weakness, vomiting and diarrhoea since last two days and the conjunctival mucous membrane was icteric and pale. Based on history, clinical sign and haematological examination the disease was diagnosed as jaundice. Medical management with 5% DNS, amoxicillin and cloxacillin, whole liver extract, corticosteroids and liver tonic was done. An uneventful recovery was seen in the dog and the animal fully recovered after 15 days of treatments.

14. Fetal Mummification in German Shepherd Bitch - A Case Report

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ABSTRACT

A three years old German Shepherd bitch was presented with a history full term gestation and non-progressive signs of labor with uterine discharge. Per vaginal examination revealed dilated birth canal without any uterine contraction. Labor was induced by the administration of 25% dextrose, oxytocin and calcium. A successful delivery of five normal live and one mummified fetus was observed and the bitch recovered uneventfully following normal post-operative management.

15. Successful Chemotherapy of Transmissible Venereal Tumor (TVT) in a Bitch - A Case Report

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ABSTRACT

A 4 years old German Shepherd bitch with a history of hemorrhagic discharge since last 6 months was presented to the clinic. Clinical examination revealed a 10 mm mass at caudal vagina. Based on morphology and vaginal cytology the case was diagnosed as transmissible venereal tumor. Vincristine Sulphate @ 0.025 mg/kg bwt was administered iv at weekly intervals for 4 weeks with an uneventful recovery.