

## **ABSTRACT-(JCDR-2008, VOLUME-V)**

### **2. PREVALENCE OF REPRODUCTIVE CONDITIONS IN BITCHES**

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#### **ABSTRACT**

Retrospective analysis of the bitches (n=164) presented to the veterinary gynaecology and obstetrics outdoor between 1985 to 2005 was done. The percent frequencies of dystocia (n=19), vaginal tumors (n=17), psuedopregnancy (n=19), pregnancy/estrus reference (n=41), pyometra (n=52), anestrus (n=10) and subinvolution of placental sites (n=06) was 11.58%, 10.36%, 11.58%, 25.0%, 31.7%, 6.09% and 3.65% respectively. The breeds of bitches presented included German shepherd, Pomeranian, Great Dane, Doberman and nondescript breeds. Amongst the dystocia cases uterine inertia was the commonest cause that was treated by injections of oxytocin (10-20 IU, im), calcium gluconate and dextrose. Most bitches (46/52) suffering from pyometra were between 8-10 years of age and could be treated by injections of prostaglandin. However, a high frequency (22/52) of bitches had to be operated because of non response to therapy or relapses. A few (3/22) bitches died due to fatal peritonitis during or after surgery. Transmissible vaginal tumor was the commonest (11/17) vaginal tumor followed by fibroma (4/17) and lipoma (2/17).

**Key Words:** Bitch, canines, incidence, reproductive disorders.

### **3. BRONCHIAL ASTHMA LIKE SYNDROME IN A DOG**

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#### **ABSTRACT**

A case of asthma like syndrome was observed in an adult Labrador dog and successfully managed with bronchodilators, antibiotics, NSAIDs and anxiety lowering drug.

**Key Words:** Asthma, dog.

## **4. MULTIFOCAL PAROXYSMAL VENTRICULAR TACHYCARDIA SUBSEQUENT TO PYOMETRA IN A BITCH**

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### **ABSTRACT**

A pomeranian bitch aged 9 years with pyometra was diagnosed to have multifocal paroxysmal ventricular tachycardia. The animal died before surgery could be done. It is suggested to monitor the cardiac status of animals suffering from pyometra.

**Key Words:** Lignocain, pyometra, multifocal paroxysmal ventricular tachycardia.

## **5. THERAPEUTIC STUDIES ON CANINE GASTROENTERITIS**

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### **ABSTRACT**

An attempt to evaluate clinico-pathological and therapeutic effects of various antibiotics *viz.* a combination of amoxicillin and cloxacillin, ciprofloxacin and ofloxacin was made on 30 dogs suffering from gastroenteritis. The symptoms included dullness, depression, anorexia, vomiting, diarrhoea and dehydration of varying degree. As per the results regarding efficacy of antibiotics included in the treatment trial, ofloxacin was found most effective antibiotic in clinical cases of gastroenteritis followed by a combination of amoxicillin and cloxacillin and, ciprofloxacin.

**Key words :** Canine, gastroenteritis, clinical manifestations, therapeutic trials.

## **6. DETERMINATION OF MICROFLORA ASSOCIATED WITH UNRESPONSIVE CASES OF CANINE OTITIS EXTERNA**

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#### ABSTRACT

One hundred sixty two unresponsive cases of canine otitis were studied for etiological agents at Centre for Livestock health and Production during April 2000 to March 2007. Single etiological agents were observed in 28.39% cases while 32.72% and 2.47% cases evidenced dual and multiple etiological agents (Viz. bacteria, mycotic and mite), respectively. Thirty six per cent cases were found sterile on cultural examination . Antibiotic sensitivity of the various isolates recovered from cases of canine otitis are also reported.

**Key word:** Antibiogram, canine, etiological study, unresponsive cases.

## 7. PREVALENCE OF HELMINTH PARASITES IN STRAY DOGS

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#### ABSTRACT

Screening of 652 faecal samples of stray dogs revealed 635 positive cases for helminth parasites depicting an over all incidence of 88.50% per cent infection. The endoparasites viz., *Toxocara canis* (60.85%) ,*Toxascaris leonina* (47.86%), *Ancylostoma caninum* (46.26%), *Capillaria* sp. (7.82%), *Spirocerca* sp. (2.13%). *Echinococcus* sp. (7.65), *Dipylidium caninum* (.4.98%).and other *Taenia* sp. eggs (9.96%) were observed in dogs.. The only pentastomid *Linguatula serrata* (1.24%) and among protozoans, *Isospora* sp. (12.81%) and *Sarcocystis* sp.(10.50%) were identified .From postmortem examination, kidney worm *Diocotophyma renale* and heart worm *Dirofilaria* sp. were also recorded during the present study.

**Key words:** Helminths, zoonotic helminthes, stray dogs.

## 8. INGUINAL HERNIA IN A BITCH AND ITS SURGICAL MANAGEMENT

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#### ABSTRACT

An inguinal hernia over the left abdomen near the 3<sup>rd</sup>-4<sup>th</sup> mammary gland was observed in a Spitz bitch subsequent to whelping that was successfully repaired surgically.

**Key words:** Bitch, hernia, surgery.

## **9. HISTOMORPHOLOGICAL STUDIES ON TESTICULAR CAPSULE OF THE DOG (*CANIS FAMILARIS*)**

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### **ABSTRACT**

Testes of 40 dogs were studied in the present study, 35 for gross and 5 for histological studies. A thick fibrous capsule enclosed the testes. The tissues were fixed and processed through routine histological technique. Various stains were used to demonstrate the capsular constituents. An outer thin tunica albuginea blended with its underlying connective tissue. The capsular tunica albuginea was chiefly composed of collagen and reticular fibres and was rich in blood vessels. The average thickness of capsule was 148. 514 µm.

**Key words** – Capsule, connective tissue, tunica albuginea, testes.

## **10. SURGICO-THERAPEUTIC MANAGEMENT OF PARAPHIMOSIS IN CANINE**

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### **ABSTRACT**

Successful surgicotherapeutic management of paraphimosis in 4 dogs is reported.

**Key words:** Dogs, paraphimosis.

## **11. PARASITIC INFESTATION OVER SKIN OF STRAY DOGS**

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**ABSTRACT**

Surveillance of mange mite infestation in 130 stray dogs of Kashmir valley revealed 47.69% infestation, of which 43.54% were found positive for sarcoptic mange and 56.45% for demodectic mange. Other parasites observed were *Haemaphysalis* sp., *Ctenocephalides* sp. and *Hipobosca* sp.

**Key words:** Mange mites, demodectic mange, sarcoptic mange.

## **12. PREVALENCE OF RICKETS IN CANINE**

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**ABSTRACT**

A total of 40 pet dogs suffering from rickets aged between 2.5 to 10.5 months, were included in the present study. The prevalence of disease was highest in 3 – 6 months, followed by 0 – 3, 6 – 9, and 9 – 12 months of age group, respectively. The breedwise prevalence was 35, 27.5, 10, 7.5, 5, 7.5 and 7.5 per cent in German Shepherd, non-discript, Great Dane, Dobermann, Labrador, Spitz and Dalmaltian breeds, respectively. The sex-wise prevalence was higher (75%) in males than in females (25%).

**Key words** – Rickets, prevalence

## **14. THERAPY OF VENTRICULAR TRIGEMINY WITH AMIODARONE IN DOG**

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**ABSTRACT**

A female spitz dog aged 13 years was presented to the hospital with a history of exercise intolerance, cyanotic tongue and inability to support was diagnosed to have ventricular trigeminy by auscultation and electrocardiogram. It was successfully treated with Amiodarone, Captopril and supportive therapy which is described.

**Key words:** Ventricular premature complexes, ventricular trigemini, amiodarone.

## **15. ETIOLOGICAL STUDIES ON CAUSES IN UNRESPONSIVE CASES OF CANINE DERMATITIS**

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### **ABSTRACT**

The etiology of dermatitis affected dogs was investigated in clinical cases non-responsive to routine therapy (n=152). The percent frequency of bacterial, mycotic, mange and mixed infections was 11.05%, 32.23%, 27.63% and 29.60%, respectively. Amongst mixed infections, 14.47% were bacterial and mycotic infections, 3.28% were bacterial and mange, 9.86% were mycotic and mange and 1.97% were bacterial-mycotic-mange complex, respectively. The highest incidence of unresponsive dermatitis was observed during the October-December months. On application of appropriate therapy, the cases recovered. It was concluded that identification of the causative agent can improve the therapy of dermatitis affected dogs.

**Key words** : Canine, dermatitis, mange, ringworm.

## **16. SURGICAL MANAGEMENT OF IRREPARABLE PATELLAR FRACTURE IN DOGS USING HORN PROSTHESIS**

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### **ABSTRACT**

Cattle horn was used as patellar prosthesis for replacement of patella that had suffered irreparable damage in 10 pie dogs. Seven of treated dogs showed normal stifle joint and a normal limb function 8 weeks after surgery whereas two dogs showed intermittent patellar luxation and one dog developed arthropathy of the stifle joint.

## **17. BLOOD TRANSFUSION IN DOGS AND CATS**

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### **ABSTRACT**

Blood transfusion is an emergency requirement. The blood group in dogs and cats, the procedure, route and rate of transfusion are described in this manuscript.

**Key word** : Blood groups, cats, dogs, transfusion.

## **20. UMBILICAL HERNIA IN A KITTEN AND ITS SURGICAL CORRECTION**

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### **ABSTRACT**

Umbilical hernia in a six months old kitten and its successful surgical correction is described.

**Key words** : Kitten, umbilical hernia.

## **22. NUTRIENT REQUIREMENTS OF FELINE**

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### **ABSTRACT**

The nutritional requirements of cats are slightly different from other pet animals and are hence, described here. Cats do not have requirements for carbohydrates in the diet and contrarily have a higher protein requirement. Cats also require less of water. The requirements of vitamins and minerals are described.

**Key words** : Cats, carbohydrates, protein, vitamins and water.