**Study on Prevalence, Diagnosis and Treatment of Dermatological disorders in hospitalized dogs at Madras Veterinary College (MVC), Chennai, India.**



By:

**Sreekanta Biswas**

Roll No: 12/22; Reg No: 00742

Intern ID: C-21

Session: 2011-12

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Khulshi, Chittagong-4225, Bangladesh

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**A clinical report submitted as per approved style and content by**

**----------------------------------**

**Signature of Supervisor**

**(Dr. Sharmin Akter)**

Lecturer

Department of Medicine and Surgery

Chittagong Veterinary and Animal Sciences University

Date:

Faculty of Veterinary Medicine

Chittagong Veterinary and Animal Sciences University

Khulshi, Chittagong-4225, Bangladesh

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# ABSTRACT

The skin, sometimes known as the Integumentary system is, in fact, the largest organ of the body. It performs many functions that are important in maintaining homeostasis in the body. The skin also protects the body from physical damage and bacterial invasion. A study was conducted in hospitalized dogs at Madras Veterinary College (MVC), Chennai, India to measure the prevalence, diagnosis and treatment of dermatological disorders from May 8 to May 22, 2017**.** Total 220 cases were observed and recorded, that had a dermatological problem. Among the Clinical signs, pruritus (86%), alopecia (63%), scaling (77%), maculo-papular-pustular lesion (91%) were the most common presenting sign showed by dogs. A diagnosis or recommendation for treatment was made on the basis of the presenting clinical signs and physical examination and various diagnostic tests were performed. In this study, most of the cases were diagnosed by multiple and deep skin scrapings (100 cases) and by dermato-histopathology (70 cases). The most common dermatological disorder was diagnosed are Malassezia dermatitis, Demodicosis, scabies and Tick infestation accounted for the majority of the diagnoses. In most of the cases, Ivermectin (59%) were used which is followed by Benzyl peroxide shampoos (45%), Dexamethasone (23%), Cypermethrin shampoos (23%), antibiotics (20%), Ketoconazole/ miconazole shampoos (18%), systemic antifungal drugs (16%), topical Benzyl benzoate (14%) and Pheniramine maleate (14%).

**Keywords:** Dermatological disorder, prevalence, pruritus, dermato-histopathology,

 treatment.