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**LIST OF ABBREVIATION**

|  |  |
| --- | --- |
| Symbols | Abbreviation |
| CVASU | Chittagong Veterinary And Animal Sciences University |
| SAQTVH | Shahedul Alam Quadary Teaching Veterinary Hospital |
| FVM | Faculty of Veterinary Medicine |
| % | Percentage |
| < | Less then |
| > | Greater than |
| Et al. | And his associated |

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**ABSTRACT**

Diabetes is a common chronic disease of human that can also affect animals like dogs, cats, pigs and horses. Among other species except human, diabetes mellitus is more prevalent in dog. It is Incurable disease associated with abnormally high levels of sugar; however it can be controlled successfully with good care of livelihood and food. The aim of this study was to find out the status of diabetes mellitus among the hospitalized dogs at Shahedul Alam Quadary Teaching Veterinary Hospital (SAQTVH) of Chittagong veterinary and animal sciences university (CVASU), Bangladesh. Total 25 dogs were examined for disease diagnosis. All necessary information were collected through questioner and blood samples were collected two times (fasting and after feeding) using insulin syringe from cephalic vein. Woodley g-pet plus glucometer and strips were used to detect the blood glucose level. None of the dog was detected with sugar levels that indicate diabetes. However, variation of blood glucose level according to different physiological status and habits like sex, age, body weight, breed and feeding habit/diet were detected. No significant (p>0.05) relations were found between the occurrence of diabetes and those parameters. Finally this study recommend that diabetes in dogs has less impact on dog health in this area and needed further study for clear understanding.

**Keywords:** Diabetes mellitus, Glucometer, SAQTVH, CVASU.