

PG Research Day 2019 Impact Statement

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Genetics of Breed Susceptibility to Canine Diabetes Mellitus and Insulinoma: From One Extreme to the Other

Diabetes mellitus (DM) affects approximately 1 in 300 dogs in the UK^{1,2}, with prevalence reported to be even higher in other countries³. The mechanisms leading to hyperglycaemia are poorly understood, although a number of disease processes are thought to be involved⁴. Currently, the only

References

- ¹ Davison, L. J., Herrtage, M. E. & Catchpole, B. Study of 253 dogs in the United Kingdom with diabetes mellitus. *Vet. Rec.* 156, 467–471 (2005)
- ² Mattin, M. *et al.* Paper An epidemiological study of diabetes mellitus in dogs attending first opinion practice in the UK. *Vet. Rec.* 5;174 (2014)
- ³ Fracassi, F. *et al.* Breed Distribution of Canine Diabetes Mellitus in Italy. *Vet. Res. Commun.* 28, 339–342 (2004)
- ⁴ Catchpole, B. *et al.* Canine diabetes mellitus: can old dogs teach us new tricks? *Diabetologia* 48, 1948–1956 (2005)
- ⁵ Cho, N. H. *et al.* IDF Diabetes Atlas: Global estimates of diabetes prevalence for 2017 and projections for 2045. *Diabetes Res. Clin. Pract.* 138, 271–281 (2018)