

SEROEPIZOOTIC SURVEY OF LEPTOSPIROSIS IN HORSES

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Abstract. Leptospirosis is a common infectious disease which is wide spread all over the world. 440 of blood serum samples were tested to determine the spread of this contagious disease amongst equine family animals (horses, Shetland ponies, donkeys) in Lithuania. The survey was carried out in 2011 – 2015 period, blood samples were tested by MA test. There were found that 18.63% of investigated horses are serologically positive for leptospirosis. The highest percentage 19.6% of positive samples were from stud farms' horses. Antibodies against serogroups of *L. canicola* (33.0%), *L. copenhagen* (26.1%) and *L. grippityphosa* (20.9%) were identified in analysed samples. Most positive results (31.8%) were found among horses located in Panevezys County. Mares consisted 69.5% of all the positive reacted horses.

Keywords: *Leptospira* spp., horses, MAT