Veterinary Research Communication

Detection of *Anaplasma* spp. and *Ehrlichia* spp. in dogs from a veterinary teaching hospital in Italy: a retrospective study 2012-2020

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Online Resource 1 Material and methods: clinicopathological investigations

Blood specimens were collected by standard venepuncture using blood vacuum collection systems (Vacutest Kima, Arzegrande, PD, Italy).

Samples were analysed within 1 hour after collection, and complete blood count (CBC), biochemistry profile, and urinalysis were carried out. CBC was carried out using an automated haematology analyser (ADVIA 2120, Siemens Healthcare Diagnostics, Erlangen, Germany). The haematology was completed with the microscopic blood smear examination using May-Grünwald Giemsa staining. Serum chemistry profile, including creatinine, urea, phosphate, total protein, albumin, globulin, alanine aminotransferase, aspartate aminotransferase (AST), alkaline phosphatase, gamma (g)-glutamyltransferase, total bilirubin, cholesterol, total calcium, sodium, potassium, chloride, magnesium and glucose, as reported previously by Troia and colleagues (Troia R, Balboni A, Zamagni S, Frigo S, Magna L, Perissinotto L, Battilani M, Dondi F (2018) Prospective evaluation of rapid point-of-care tests for the diagnosis of acute leptospirosis in dogs. Vet J 237: 37-42. https://doi.org/10.1016/j.tvjl.2018.05.010), was carried out using an automated analyser (AU480; Beckman Coulter-Olympus, Brea, CA, USA). Urinary protein and creatinine were also evaluated (AU480; Beckman Coulter-Olympus, Brea, CA, USA) and the urine protein to creatinine ratio (UPC) was calculated. Urine samples with a visible red colour and/or >250 red blood cells (RBCs) in a high-power field (hpf) were excluded from the UPC analysis.