

**Supplementary Table 1.** Predictors for performing microscopy and culture in dogs with suspected UTI (n=151)

Predictor variable	n	Microscopy performed			Culture performed		
		OR	95% CI	P	OR	95% CI	P
Age	151	1.04	0.91-1.21	0.55	0.96	0.85-1.08	0.50
Sex (female)	151	1.77	0.51-6.16	0.37	1.13	0.37-3.43	0.83
Days with clinical signs*	144	<b>1.13</b>	<b>1.01-1.26</b>	<b>0.027</b>	0.99	0.97-1.01	0.24
Dysuria	151	1.97	0.41-9.43	0.40	0.58	0.19-1.82	0.35
Stranguria	151	0.33	0.061-1.79	0.20	0.67	0.17-2.63	0.57
Pollakiuria	151	<b>3.75</b>	<b>0.94-14.97</b>	<b>0.061</b>	<b>3.31</b>	<b>0.98-11.22</b>	<b>0.053</b>
Hematuria	151	0.82	0.25-2.67	0.75	0.49	0.19-1.31	0.16
Malodourous urine	151	0.02	0.00-9.47	0.21	6.55	0.09-503	0.40
Periuria	151	1.02	0.32-3.29	0.98	0.97	0.38-2.48	0.95
Incontinence	151	<b>0.25</b>	<b>0.056-1.13</b>	<b>0.072</b>	0.36	0.09-1.43	0.15
Licking outer genitalia	151	<b>4.90</b>	<b>0.98-24.59</b>	<b>0.053</b>	<b>3.03</b>	<b>0.87-10.48</b>	<b>0.080</b>
Anorexia	151	0.08	0.003-2.35	0.15	2.03	0.30-13.81	0.47
Lethargy	151	0.98	0.16-6.07	0.98	1.57	0.32-7.80	0.58
Temperature > 39.3°C	151	<b>0.06</b>	<b>0.003-1.38</b>	<b>0.078</b>	7.25	0.27-193	0.24
Pain in back or abdomen	151	1.30	0.23-7.46	0.77	1.06	0.24-4.73	0.94
US – blood positive	150	0.48	0.14-1.66	0.25	1.87	0.69-5.05	0.22
US – protein positive	149	0.90	0.26-3.15	0.87	0.79	0.29-2.18	0.65
USG ≤ 1.015	134	2.69	0.40-17.97	0.31	1.20	0.35-4.10	0.78
Microscopy performed	151	-	-	-	0.51	0.13-2.06	0.35
Microscopy not performed (reference) <sup>#</sup>	151	-	-	-	1	-	-
Bacteriuria or pyuria <sup>#</sup>	151	-	-	-	0.68	0.14-3.43	0.64
Inactive sediment <sup>#</sup>	151	-	-	-	0.44	0.10-1.89	0.27
Complicated UTI	149	0.78	0.15-4.15	0.77	3.43	0.61-19.33	0.16
Culture available	151	0.25	0.030-2.155	0.21	5.12 <sup>^</sup>	0.03-782 <sup>^</sup>	0.52 <sup>^</sup>

Individual logistic regression analysis with practice as a random effect.

n; number of cases, OR; Odds Ratio, CI; Confidence interval, US; Urine Stick, USG; Urine Specific Gravity, UTI; Urinary Tract Infection.

\*Number of days with clinical signs before the consultation.

#Negative or active sediment in microscopy compared to not performing microscopy.

^ In-house culture availability as predictor for external culture.