

Supplementary Table S2. Univariate analysis of surgically treated queens. P-values <0.2 are in bold—these variables are included in preliminary logistic regression analyses.

	LoS>=2days					ruptured uterus				
	no N=85	% no	yes N=41	% yes	Fisher exact	no N=115	% no	yes N=5	% yes	Fisher exact
PATIENT HISTORY										
Age over 8 yrs old										
no	51	60%	31	76%	0.11	75	65%	3	60%	1.00
yes	34	40%	10	24%		40	35%	2	40%	
number missing	0		0			0		0		
Duration of signs>1week										
no	38	55%	23	64%	0.41	53	56%	4	80%	0.39
yes	31	45%	13	36%		42	44%	1	20%	
number missing	16		5			20		0		
Previous visit to DVM										
no	41	48%	22	54%	0.70	58	50%	1	20%	0.36
yes	44	52%	19	46%		57	50%	4	80%	
number missing	0		0			0		0		
Polyuria										
no	50	77%	32	86%	0.31	74	79%	5	100%	0.58
yes	15	23%	5	14%		20	21%	0	0%	
number missing	20		4			21		0		
Polydipsia										
no	51	77%	28	76%	1.00	72	76%	4	80%	1.00
yes	15	23%	9	24%		23	24%	1	20%	
number missing	19		4			20		0		
Diarrhea										
no	69	92%	31	89%	0.72	93	92%	3	60%	0.07
yes	6	8%	4	11%		8	8%	2	40%	
number missing	10		6			14		0		
Inappetence										
no	32	40%	13	33%	0.55	43	39%	0	0%	0.30
yes	48	60%	26	67%		66	61%	4	100%	
number missing	5		2			6		1		
Vomiting										
no	56	72%	22	61%	0.28	73	71%	1	20%	0.03
yes	22	28%	14	39%		30	29%	4	80%	
number missing	7		5			12		0		

CLINICAL SIGNS										
Depressed mentation										
no	59	70%	20	50%	0.04	75	66%	2	40%	0.34
yes	25	30%	20	50%		38	34%	3	60%	
number missing	1		1			2		0		
Closed pyometra										
no	72	87%	37	90%	0.77	101	89%	3	60%	0.12
yes	11	13%	4	10%		13	11%	2	40%	
number missing	2		0			1		0		
Non-ambulatory										
no	75	99%	34	100%	1.00	100	99%	4	100%	1.00
yes	1	1%	0	0%		1	1%	0	0%	
number missing	9		7			14		1		
Increased respiratory effort										
no	82	98%	40	100%	1.00	111	98%	5	100%	1.00
yes	2	2%	0	0%		2	2%	0	0%	
number missing	1		1			2		0		
High respiratory rate										
no	52	69%	25	76%	0.65	69	71%	3	60%	0.63
yes	23	31%	8	24%		28	29%	2	40%	
number missing	10		8			18		0		
Low temperature										
no	54	77%	27	71%	0.49	75	76%	3	75%	1.00
yes	16	23%	11	29%		24	24%	1	25%	
number missing	15		3			16		1		
High temperature										
no	65	93%	34	89%	0.72	92	93%	2	50%	0.04
yes	5	7%	4	11%		7	7%	2	50%	
number missing	15		3			16		1		
Low heart rate										
no	82	98%	41	100%	1.00	113	98%	5	100%	1.00
yes	2	2%	0	0%		2	2%	0	0%	
number missing	1		0			0		0		
High heart rate										
no	70	83%	31	76%	0.34	92	80%	4	80%	1.00
yes	14	17%	10	24%		23	20%	1	20%	
number missing	1		0			0		0		
Dehydrated										
no	29	35%	9	24%	0.29	33	30%	1	20%	1.00
yes	54	65%	29	76%		77	70%	4	80%	
number missing	2		3			5		0		

LABORATORY FINDINGS

High total protein										
no	15	18%	10	26%	0.35	21	19%	3	60%	0.06
yes	67	82%	29	74%		89	81%	2	40%	
number missing	3		2			5		0		
Low creatinine										
no	41	49%	21	53%	0.85	55	49%	3	60%	0.68
yes	43	51%	19	48%		58	51%	2	40%	
number missing	1		1			2		0		
High creatinine										
no	78	93%	39	98%	0.43	106	94%	5	100%	1.00
yes	6	7%	1	3%		7	6%	0	0%	
number missing	1		1			2		0		
Low BUN										
no	77	92%	36	90%	0.75	102	90%	5	100%	1.00
yes	7	8%	4	10%		11	10%	0	0%	
number missing	1		1			2		0		
High BUN										
no	71	85%	31	78%	0.45	95	84%	3	60%	0.20
yes	13	15%	9	23%		18	16%	2	40%	
number missing	1		1			2		0		
High Glucose										
no	48	57%	26	65%	0.44	69	61%	3	60%	1.00
yes	36	43%	14	35%		44	39%	2	40%	
number missing	1		1			2		0		
Low PCV										
no	77	94%	35	90%	0.47	101	92%	5	100%	1.00
yes	5	6%	4	10%		9	8%	0	0%	
number missing	3		2			5		0		
High PCV										
no	76	93%	34	87%	0.33	100	91%	5	100%	1.00
yes	6	7%	5	13%		10	9%	0	0%	
number missing	3		2			5		0		
Low ionized calcium										
no	53	64%	15	38%	0.01	65	58%	1	20%	0.17
yes	30	36%	25	63%		47	42%	4	80%	
number missing	2		1			3		0		
High ionized calcium										
no	79	95%	35	88%	0.15	103	92%	5	100%	1.00
yes	4	5%	5	13%		9	8%	0	0%	
number missing	2		1			3		0		

Low sodium										
no	65	78%	25	63%	0.08	84	75%	2	40%	0.12
yes	18	22%	15	38%		28	25%	3	60%	
number missing	2		1			3		0		
Low potassium										
no	81	98%	40	100%	1.00	110	98%	5	100%	1.00
yes	2	2%	0	0%		2	2%	0	0%	
number missing	2		1			3		0		
High potassium										
no	58	70%	31	78%	0.52	83	74%	3	60%	0.61
yes	25	30%	9	23%		29	26%	2	40%	
number missing	2		1			3		0		
COMORBIDITIES										
Mammary tumor										
no	78	93%	41	100%	0.18	109	96%	4	80%	0.23
yes	6	7%	0	0%		5	4%	1	20%	
number missing	1		0			1		0		
Heart disease										
no	77	91%	35	85%	0.38	103	90%	3	60%	0.10
yes	8	9%	6	15%		12	10%	2	40%	
number missing	0		0			0		0		
Murmur										
no	78	92%	35	85%	0.35	104	90%	3	60%	0.09
yes	7	8%	6	15%		11	10%	2	40%	
number missing	0		0			0		0		
SURGICAL FINDINGS										
Presence of ascites										
no	74	94%	34	85%	0.18	106	93%	2	40%	0.01
yes	5	6%	6	15%		8	7%	3	60%	
number missing	6		1			1		0		
Ruptured uterus										
no	79	99%	36	90%	0.04					
yes	1	1%	4	10%						
number missing	5		1							
Transfusion										
no	81	95%	30	73%	0.00	100	87%	5	100%	1.00
yes	4	5%	11	27%		15	13%	0	0%	
number missing	0		0			0		0		