

SUPPLEMENTARY MATERIALS

TABLE S1. Model generation for the effect of clinical variables on survival stratified by clinical stage.

Parameter	Groups	No.	MST †	95%CI‡	Global model				Optimised model			
					Strata = Clinical stage				Strata = Clinical stage			
					B§¶	HR«	95%CI	p¶	B§¶	HR«	95%CI	p»
Tumour size	≤2 cm	35	678	336– 360	0.649	1.914	0.952– 1020	0.091	0.675	1.963	1.013– 241–479	0.048*
	>2 cm	42					3.849				3.806	
Lymph node size	≤1.6 cm	39	631	312–950	1.058	2.879	1.549– 442–544	0.001	1.116	3.053	1.712– 8–258	0.001**
	>1.6–≤5 cm	24	493				5.352				5.446	
	>5 cm	18	135									
Surgery	No	18	137	0–528	-1.023	0.359	0.166– 389–673	0.025	-1.103	0.332	0.161– 0.776	0.004**
	Yes	63	531								0.685	
Radiotherapy	No	73	452	378–526	-1.208	0.299	0.092– 686–1304	0.018	-1.18	0.307	0.099– 0.967	0.014*
	yes	8	995								0.949	
Medical therapy	No	49	452	324–580	-0.043	0.958	0.503– 416–506	0.906	eliminated			
	Yes	32	461									
Calcium status	Normal	58	497	412–582	0.341	1.406	0.642– 145–427	0.482	eliminated			
	Increased	19	286									

†Median survival time.

‡95% confidence interval.

§B coefficient of Cox regression.

¶Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples.

«Hazard ratio.

»based on 999 bootstrap samples.

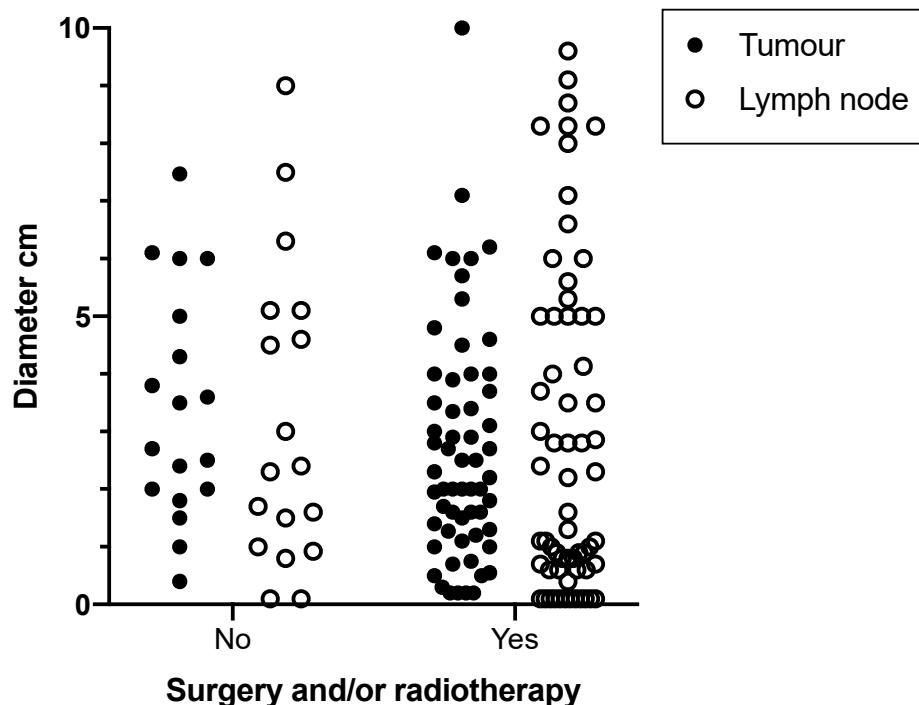


FIGURE S1. Tumour and lymph node size stratified by treatment received.

TABLE S2. Log-rank and Cox univariate analysis of the clinical algorithm for survival.

Score	Number	MST†	95%CI‡	Log-rank p	B§¶	HR«	95%CI‡	Cox p¶
0	15	1072	668–1476	<0.0001	1.351	3.86	2.368–6.29	0.001**
1	29	590	372–808	***				

2 or more	35	237	22–452					
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†Median survival time.

‡95% confidence interval.

§B coefficient of Cox regression.

¶Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples.

«Hazard ratio.

TABLE S3. Model generation for the effect of clinical variables on progression-free interval.

Parameter	Groups	No.	MPFI †	95%CI ‡	Global model				Optimised model			
					B§¶	HR«	95%CI ‡	p¶	B§¶	HR«	95%CI ‡	p«
Tumour size	≤1.3 cm	9	445	188–702	1.947	7.008	2.25– 21.826	0.006	1.783	5.948	2.062– 17.161	0.006 **
	>1.3 cm	26	230	164–296								
Distant metastasis	No »	29	252	223–281	1.578	4.844	1.773– 13.236	0.002	1.742	5.708	2.093– 15.567	0.001 **
	Yes	8	133	23–243								
Lymph node size	≤3.8 cm	27	230	223–281	-0.763	0.466	0.173– 1.259	0.123	-0.954	0.385	0.155– 0.96	0.053
	>3.8 cm	10	258	23–243								
Calcium status	Normal	26	239	224–254	-0.525	0.592	0.203– 1.723	0.338				
	Increased	8	275	174–376								

†Median first progression-free interval

‡95% confidence interval.

§B coefficient of Cox regression.

¶Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples.

«Hazard ratio.

»Locoregional spread or primary disease only.

〈Based on 998 samples.

FIGURE S2. (a) Ki67% positive cells of primary AGASAC tumours from 46 dogs. (b)

Relationship between the Ki67% and mitotic count of individual primary tumours.

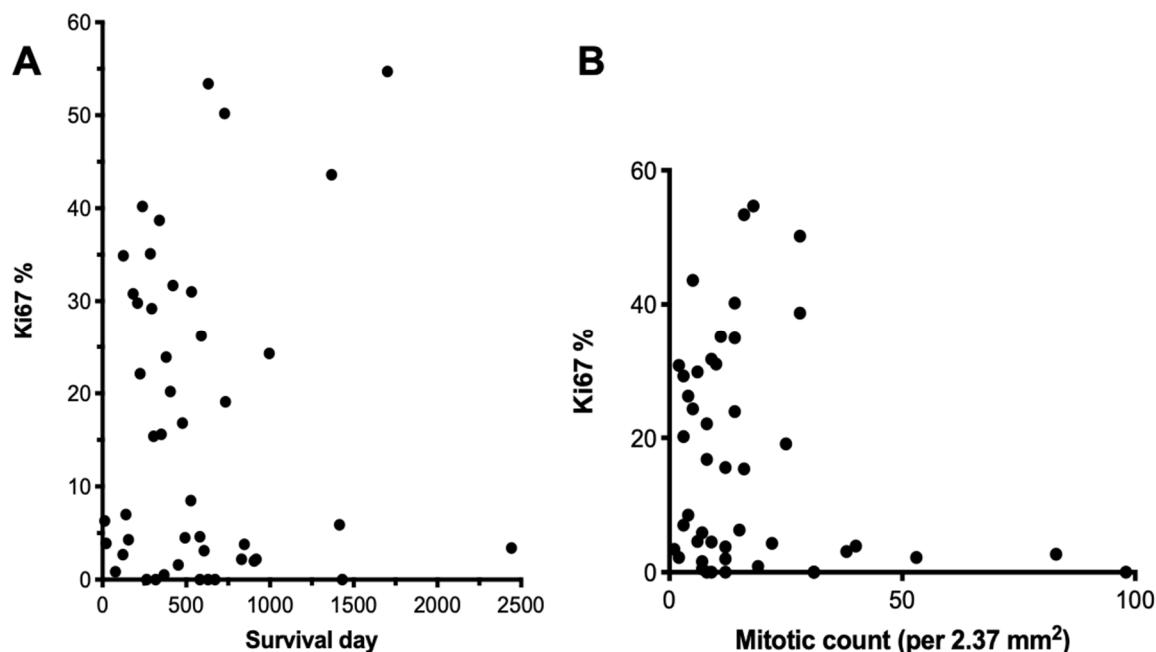


TABLE S4. Model generation for histological variables effect upon survival.

Parameter	Groups	No.	MST †	95%CI‡	Global model				Optimised model			
					B§¶	HR«	95%CI ‡	p¶	B§¶	HR«	95%CI‡	p¶
Necrosis	None	28	831	498–1163	1.094	2.987	1.291– 6.913	0.014	1.093	2.984	1.336– 6.662	0.008**
	Present	21	421	268–574								

Predominant histological pattern	Non-solid Solid	26 23	631 452	85–1177 179–725	0.986	2.68	1.177– 6.103	0.068	0.967	2.63	1.194– 5.793	0.016*
Vascular invasion	None Present	31 18	831 367	433–1229 233–501	1.252	3.497	1.408– 8.683	0.011	1.027	2.794	1.251– 6.242	0.012*
Ki67%	≤6.1 >6.1	21 25	607 590	178–1036 419–761	0.382	1.465	0.623– 3.443	0.445	eliminated			

†Median survival time.

‡95% confidence interval.

§B coefficient of Cox regression.

¶Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples.

«Hazard ratio.

TABLE S5. Log-rank and Cox univariate analysis of the histopathological prognostic algorithm.

Score	No.	MST †	95%CI‡	Log-rank p	B§¶	HR«	95%CI‡	Cox p¶
Score 0–1	29	906	374–143 8	<0.0001 ****	1.567	4.792	2.127–10.796	0.001**
Score 2 or more	20	318	224–412					

†Median survival time.

‡95% confidence interval.

§B coefficient of Cox regression.

¶Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples.

«Hazard ratio.