

Supplementary Table 2. Primary tumor and concurrent secondary tumor and/or comorbidity identified in dogs with microthrombi (excluding dogs with macrothrombi).

Primary tumor	Secondary primary tumor and/or concurrent comorbidity (if present)	Presence of microthrombi
Cutaneous hemangiosarcoma	Pulmonary bronchoalveolar carcinoma Pheochromocytoma Moderate chronic lympho-histiocytic interstitial nephritis Bacterial cystitis	No
Hepatic hemangiosarcoma	Adrenal cortical carcinoma Multifocal severe acute-subacute renal infarcts Hepatic centrilobular and bridging hepatitis with central vein fibrosis	No
Muscle soft tissue sarcoma	Subcutaneous hemangioma Chronic renal interstitial fibrosis Bacterial prostatic abscess & cystitis	No
Cutaneous hemangiosarcoma	Early splenic stromal sarcoma Renal adenomas Mild granulomatous cholangiohepatitis	No
Oral osteosarcoma	Compact thyroid carcinoma of the ascending aorta	No

	Hepatositis with severe hydropic and fatty hepatocellular degeneration	
Mixed mammary carcinoma	Compact thyroid carcinoma Adrenal cortical carcinoma Multifocal myocardial interstitial fibrosis	No
Simple tubular mammary carcinoma	Subcutaneous soft tissue sarcoma (hindlimb)	No
Complex mammary carcinoma	Simple tubulopapillary mammary carcinoma Bronchoalveolar adenoma Adrenal cortical adenoma	No
Complex mammary carcinoma	Metastatic melanoma (metastasis to inguinal ln and liver) Hepatocellular adenoma	No
Mammary ductal carcinoma	Pheochromocytoma Mild chronic interstitial lymphocytic and fibrosing nephritis Adrenal medullary and cortical hyperplasia	No
Complex mammary carcinoma	Oesophageal osteosarcoma (<i>S. lupi</i>) Bacterial cystitis	No
Subcutaneous soft tissue sarcoma	Focal hepatic cystadenoma	Yes
Splenic hemangiosarcoma	Round cell tumor of the face	Yes

	Multifocal, moderate, acute to subacute renal tubular and medullary necrosis Focal adrenal cortical nodular hyperplasia	
Subcutaneous hemangiosarcoma	Thyroid follicular carcinoma	Yes
Right atrial hemangiosarcoma	Focal hepatocellular adenoma	Yes
Splenic & right atrial hemangiosarcoma	Pheochromocytoma	Yes
Oral osteosarcoma	Pulmonary squamous cell carcinoma	Yes
Mammary osteosarcoma	Mammary mixed type carcinoma Multifocal adrenal cortical nodular hyperplasia and adenomas	Yes
Cutaneous soft tissue sarcoma	Suspected indolent lymphoma in part of the duodenal lymph node	Yes
Splenic stromal sarcoma	Simple mammary intraductal papillary carcinoma	Yes
Simple tubular mammary carcinoma	Complex mammary carcinoma Subcutaneous mast cell tumor Subcutaneous hemangioma Benign fibrolipoma Bacterial cystitis	Yes
Mixed mammary carcinoma	Cutaneous melanoma (metastatic to inguinal lymph node)	Yes

	Bacterial cystitis	
Simple tubulopapillary mammary carcinoma	Focal scirrhous pulmonary carcinoma Severe chronic, multifocal to extensive, renal interstitial fibrosis & lymphoplasmacytic nephritis Multifocal and bilateral adrenal cortical nodular hyperplasia Bacterial cystitis	Yes
Anaplastic mammary carcinoma	Complex mammary carcinoma	Yes
Comorbidities without concurrent secondary primary tumors		
Subcutaneous soft tissue sarcoma	Benign oesophageal <i>Spirocerca lupi</i> nodule	No
Hepatic hemangiosarcoma	Focal chronic-active pyogranulomatous aortic lesion with intralesional <i>Spirocerca lupi</i>	No
Rib chondroblastic osteosarcoma	Right heart failure (cause not identified)	No
Oesophageal osteosarcoma	Myxomatous mitral valve disease (Stage C)	No
Squamous cell carcinoma	Multifocal granulomatous nephritis	No
Mixed type carcinoma & simple tubulopapillary mammary carcinoma	<i>Spirocerca lupi</i> migratory track: severe mural inflammation of the aorta	No
Sinonasal transitional carcinoma	Benign oesophageal <i>Spirocerca lupi</i> nodule Severe hepatitis	No

Solid scirrhous prostatic carcinoma	Focal, subacute, mild aspiration pneumonia	No
Splenic hemangiosarcoma	Focally extensive severe subacute renal infarcts Bilateral severe adrenal cortical nodular hyperplasia	Yes
Mammary osteosarcoma	Bacterial cystitis	Yes
Simple tubular mammary carcinoma	Benign oesophageal <i>Spirocerca lupi</i> nodule	Yes
Squamous cell carcinoma	Chronic interstitial nephritis and a chronic membranous glomerulopathy	Yes
Hepatocellular carcinoma	Congestive heart failure (histopathology diagnosis)	Yes