JVDI: Supplemental material

Brady RV, et al. Retrospective immunohistochemical investigation of suspected non-visceral leiomyosarcoma in dogs

Supplemental Table 1. Signalment information included with previously reported clinical information and staining results.

	Breed			Location	Treatment	Metastasis	Recurrence	DFS	Status	Score			Percent stai	ning	Intensity				Consistent	
Case		Sex	Age (y)							SMA	Desmin	Laminin	SMA	Desmin	Laminin	SMA	Desmin	Laminin	MT score	with smooth muscle origin
1	Lhasa Apso	SF	11	Dermis, carpus	Excisional biopsy	No staging	Unknown	0	Unknown	3	3	3	100	100	100	3	1	1	0	Leiomyoma (piloleio- myoma)
2	Labrador Retriever mix	SF	8	Pharynx	Incomplete excision	Concern for liver/spleen masses on AUS at time of recurrence, not sampled	Yes	292	Euthanized	3	1	3	100	100	100	3	2	1	1	Leiomyo- sarcoma
3	German Shepherd Dog	M	9	Dermis, footpad	Marginal excision	No staging	Historic recurrence	17	Unknown	3	0	3	100	100	100	3	1	2	Variable	Leiomyo- sarcoma (angioleio- myosarcoma)
4	Labrador Retriever	SF	10	Bulbar third eyelid	Incomplete excision (3rd eyelid removal)	Unremarkable TXR/AUS at diagnosis	No	21	Unknown	3	0	3	100	100	80	3	0	2	0	Leiomyo- sarcoma
5	Golden Retriever	CM	7	Subcutis, pelvic limb	Complete excision	Unremarkable TXR at diagnosis, cardiac/pulm onary masses at autopsy	No	52	Died from cardiopulm onary SMA- sarcoma	3	0	3	70	70	80	3	0	2	2	No
6	Miniature Poodle mix	CM	11	Subcutis, carpus	Complete excision (amputation)	Unremarkable TXR at diagnosis	Unknown	0	Unknown	3	0	2	80	80	30	3	0	2	0	No
7	Labrador Retriever/ American Satfford- shire Terrier mix	F	2	Subcutis, calvaria	None	None on autopsy	Unknown	0	Died as a result of cerebellar compressio n and hemorrhage from mass	3	1	2	70	70	50	3	1	2	1	No
8	Labrador Retriever	F	6	Subcutis, popliteal	None	None on autopsy	Unknown	0	Euthanized	3	0	1	80	80	50	3	0	2	2	No
9	Australian Cattle Dog mix	SF	3	Intradural C3	None	None on autopsy	Unknown	0	Euthanized as a result of mass	3	1	1	100	100	30	3	2	1	3	No

Non-visceral leiomyosarcoma in dogs 10 Unknown 3 Cocker CM 12 Subcutis. Two doses Unremarkable Historic 100 0 0 No Spaniel mix base of doxorubicin TXR/AUS at recurrence diagnosis penis 11 SF Unremarkable No 1,457 Unknown 3 3 3 Cardigan 9 Subcutis, Complete 0 0 100 100 0 0 No Welsh neck excision, 4 TXR/AUS Corgi mix doses (multiple doxorubicin times) 2 12 M Unremarkable 3 30 30 100 3 ND Rottweiler Eyelid Exenteration, 316 Unknown 2 0 No 6 doses TXR/AUS (multiple carboplatin for rib times) osteosarcoma 13 Shepherd SF 8 Subcutis, None No staging No 9 Unknown 2 0 2 50 50 50 2 2 ND No Mix periorbital 2 30 30 70 ND 14 Labrador SF 10 Subcutis, 1 dose Pulmonary No 78 Euthanized 0 3 No Retriever/ body wall doxorubicin metastasis on as a result Border CT at of cancer Collie mix diagnosis progression 2 3 2 15 Doberman SF Unremarkable No 49 Unknown 0 30 30 60 ND 6 Dermis, neck Marginal No Pinscher excision TXR at diagnosis 2 0 ND 16 Rhodesian CM 13 Subcutis, None Pulmonary Unknown 0 Euthanized 0 0 0 2 No Ridgeback pelvic limb metastasis on as a result mix of epistaxis autopsy SF 5 Subcutis, left 0 ND 17 Greyhound Complete Unremarkable No 2 Unknown Rare, Rare, No hip excision TXR/AUS at individual individual diagnosis 50 ND 18 Labrador M 12 Subcutis, None Pulmonary Unknown 0 Euthanized 2 2 0 0 0 2 1-No Retriever distal femur metastasis on as a result of mass mix autopsy Complete Unremarkable 1,548 100 100 30 3 ND Great Dane Subcutis, No Unknown 0 0 No metatarsus excision + TXR RT after (multiple multiple times) regrowths over 2 mo SF None No Died 0 0 0 0 ND 20 Belgian 14 Subcutis, Unremarkable 210 0 0 0 0 No Malinois body wall TXR/AUS at diagnosis 21 Australian SF 15 Dermis, base 1 dose Unremarkable Unknown 0 Euthanized 0 0 0 0 0 0 0 ND No Shepherd of tail carboplatin thoracic CT / mix AUS at diagnosis; metastases in sublumbar LNs on autopsy 22 Golden M 4 Retrobulbar Unremarkable No 33 Died prior to 0 0 0 0 0 0 0 ND No Incomplete Retriever excision TXR at induction for first RT diagnosis 23 ND SF Subcutis, Unknown 0 0 American 6 Incomplete No staging No 0 0 Rare, 0 No Eskimo ventral to excision individual

Dog

orbit

	Non-visceral leiomyosarcoma in dogs																			
24	Golden	M	12	Subcutis,	Two	Unremarkable	No	270	Euthanized	0	0	0	0	0	0	0	0	0	ND	No
	Retriever			carpus	incomplete	TXR at			as a result											
				_	excisions, RT	diagnosis,			of											
						pulmonary			metastatic											
						and costal			disease											
						pleural														
						metastases on														
						autopsy														

Historical recurrence: indicates the biopsy sample available for review was a regrowth of a previous mass. Status: if the cause of death could reasonably be attributed to the tumor, this is noted. Immunolabeling score by immunohistochemical (IHC) stain (smooth muscle actin [SMA], desmin, laminin): 0 = none, 1 = up to 1/3 of neoplastic cells, 2 = up to 2/3 of neoplastic cells, 3 = more than 2/3 of neoplastic cells. Intensity: 0 = none, 1 = weak, 2 = moderate, 3 = strong. MT score: 0 = minimal, 1 = mild, 2 = moderate, 3 = abundant material between neoplastic cells. AUS = abdominal ultrasound; CM = castrated male, CT = computed tomography; DFS = disease-free survival, as defined from the date of diagnosis to either recurrence, death, or last known follow-up; F = female, LNs = lymph nodes; M = male, MT = Masson trichrome; ND = not done; RT = radiation therapy; SF = spayed female, TXR = thoracic radiographs.