

Supplementary Table 3. Summary of clinical details derived from cases with primary vasculitis of the oral cavity, skin, muscle, or multiple organs.

Case	System affected	Age	Sex	Breed	Clinical signs	Laboratory tests	Imaging findings	Pathological description	Outcome
7	Oral cavity	4 yr, 10 mo	FI	Jack Russell Terrier	Oral ulceration of 3 months' duration; interdigital dermatitis; pyrexia (rectal temperature 39.7°C).	Hematology: mild neutrophilia. Fine-needle aspirates from mandibular lymph nodes: neutrophilic lymphadenitis.		Ulcerative stomatitis with fibrinocellular crust; infiltration of reactive stromal vessels by neutrophils.	Discharged from hospital, lost to follow-up.
8	Oral cavity	10 yr	FS	Rhodesian Ridgeback	Halitosis; extensive necrotic ulceration of the oral cavity; superficial wound on the metatarsal pad of the right pelvic limb.	Hematology, biochemistry, and urinalysis: unremarkable. Popliteal lymph node aspirates: reactive hyperplasia. Serum antinuclear antibody titer negative.	Abdominal US: fluid-filled mass caudal to the bladder. Thoracic radiographs unremarkable.	Fibrinosuppurative inflammation of tongue and buccal mucosa, with multifocal fibrinoid change and epidermal ulceration.	Discharged from the hospital, lost to follow-up.
9	Systemic	6 yr	FI	Maltese	Lethargy; exercise intolerance; bilateral ocular discharge; sneezing; lymphadenopathy; vaginal discharge.	Hematology unremarkable. Biochemistry: increased total bilirubin, ALT and ALP activity, reduced albumin, increased cholesterol. Proteinuria (UPC 2.03).	Abdominal US: increased renal echogenicity, fluid-filled uterus. Thoracic radiographs unremarkable.	Liver biopsy; uterine biopsy; biopsy of mammary nodule: necrotizing arteritis and vasculitis.	Euthanized after 410 days.
10	Non-healing cutaneous wound	8 yr	MN	Labrador Retriever	Chronic non-healing wound on right flank.	Hematology: mild non-regenerative anemia, neutrophilia. Biochemistry: mild hypoalbuminemia. Bacterial culture: methicillin-resistant	NA.	Thrombosis and necrotic dermatitis with suspected primary vasculitis.	Alive at time of follow-up (930 days).

						<i>Staphylococcus aureus.</i>			
11	Cervical muscle	5 yr	FS	Border Collie	Lethargy; inappetence; neck pain; obtundation; head tilt to left side; tetraparesis; mild cervical hyperesthesia.	Hematology: mild neutrophilia, non-regenerative anemia. Biochemistry: mild hypoalbuminemia, increased ALP activity.	MRI of neck: myositis in region of C3-C4.	Chronic mixed panniculitis with myositis and vasculitis.	Alive at time of follow-up (946 days).

* FI = female, intact; FS = female, spayed; MN = male, neutered; US = ultrasound; UPC = urine protein-to-creatinine ratio; ALT = alanine aminotransferase; ALP = alkaline phosphatase; MRI = magnetic resonance imaging; PCR = polymerase chain reaction.