Table S1. Results of blood tests, including lactate analysis (blood collected at 13:05 h), glucose (blood collected at 16:00 h), and serum biochemistry, blood film review, serum amyloid A and protein electrophoresis (blood collected at 16:40 h)

Test (time of blood collection)	
Lactate (mmol/L) (13:05 h)	7.24
Glucose (mg/dL) (16:00 h)	64
Serum biochemistry (16:40 h)	
Hemolysis Index	0
Lipemia Index	0
Glucose (mg/dL)	44
Blood urea nitrogen (BUN) (mg/dL)	30
Creatinine (Crea) (mg/dL)	1.2
BUN/Crea Ratio	25.0
Calcium (Ca) (mg/dL)	8.5
Phosphorus (P) (mg/dL)	11.5
Ca/P Ratio	0.7
Total Protein (g/dL)	7.3
ALT (U/L)	14
Blood film review (16:40 h)	
WBC estimate from blood film (K/µl)	2.2
nRBC/100WBC	<1
Myelocytes (K/µl)	0.02
Metamyelocytes (K/µl)	0.04
Band heterophils (K/µl)	0.46
Heterophils (K/µl)	0.66
Lymphocytes (K/µl)	0.66
Monocytes (K/µl)	0.31
Eosinophils (K/µl)	0.04
Basophils (K/µl)	0
Leukocyte morphology	Heterophils: left shift; toxic change absent Monocytes: most reactive
Erythrocyte morphology	Suggestive of increased rouleaux 1+ anisocytosis, 3+ target cells
Platelets	Platelet estimate: 45K/µl; no platelet clumps
Serum amyloid A and protein electrophoresis (16:40 h)	
Serum amyloid A (mg/L)	151.9
Total Protein (g/dl)	7.2
A/G ratio	0.87
Pre Albumin (g/dL; %)	0.30; 4.2
Albumin (g/dL; %)	3.05; 42.4
Alpha 1 (g/dL; %)	0.76; 10.5
Alpha 2 (g/dL; %)	0.50; 6.9
Beta 1 (g/dL; %)	0.89; 12.4
Beta 2 (g/dL; %)	0.87; 12.1
Beta total (g/dL; %)	1.76; 24.5
Gamma (g/dL; %)	0.83; 11.5

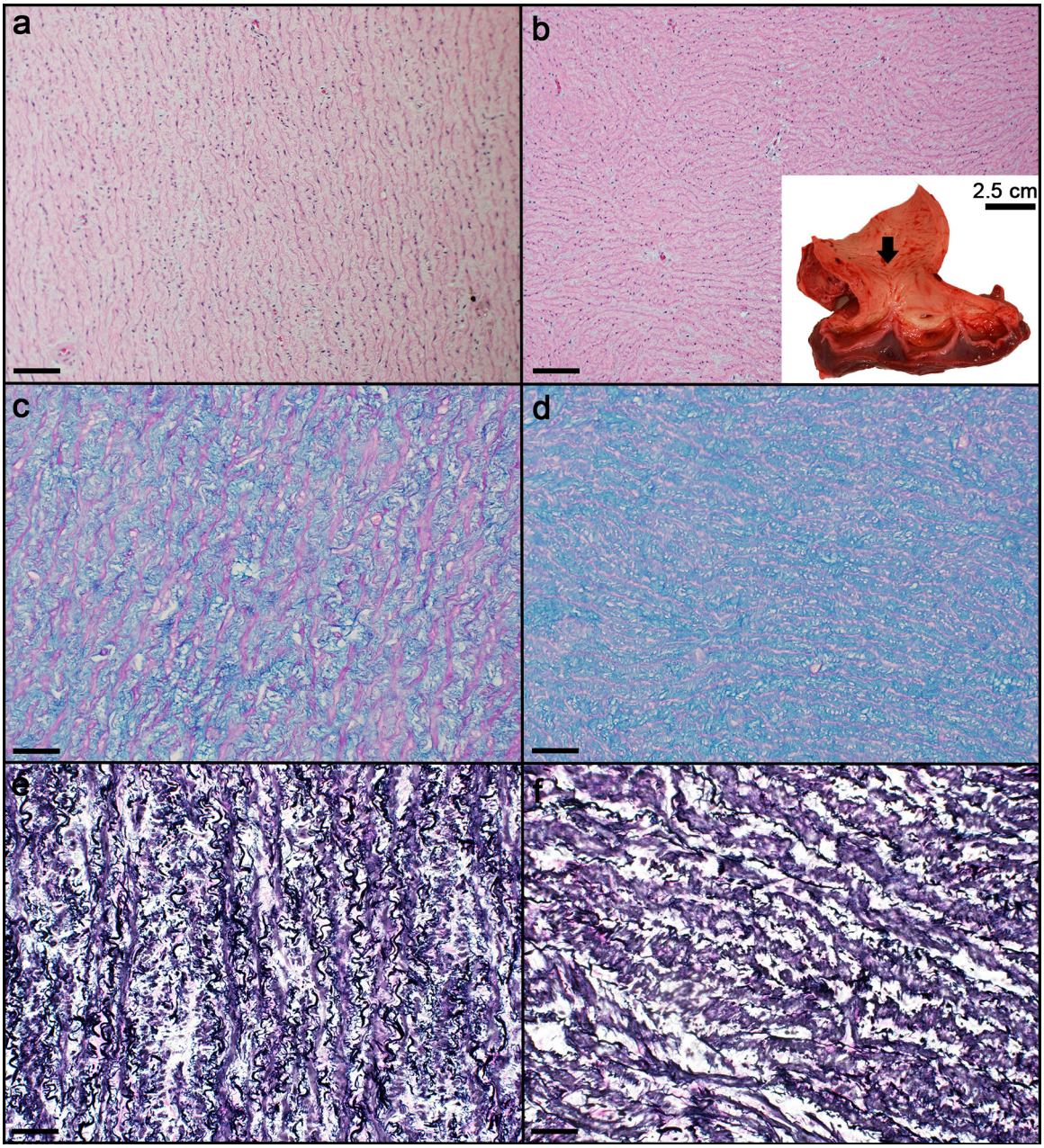

Figure S1. Aortic stenosis in a West Indian manatee (*Trichechus manatus*). (a) Normal aorta stained with hematoxylin and eosin (HE), scale bar = 100 µm. (b) Stenotic aorta (HE), scale bar = 100 µm, showing fibromuscular dysplasia. Gross evidence of aortic stenosis (inset, black arrow). (c) Normal aorta stained with Alcian Blue-PAS (AB-PAS), scale bar = 40 µm. (d) Stenotic aorta (AB-PAS), scale bar = 40 µm, with increased ground substance compared to unaffected aorta. (e) Normal aorta stained with Verhoeff-van Gieson (VVG), scale bar = 20 µm. (f) Stenotic aorta (VVG), scale bar = 40 µm, with reduction and loss of orderly laminar arrangement of elastic fiber.