

Supplementary Material 2 - Table 1: Additional information on 30 horses included in the group “PHT”.

Breed	Sex	Age (y)	BWT (kg)	HR (/min)	TR Vmax (m/s)	PR Vmax (m/s)	Main Diagnosis	Additional Diagnosis	Arrhythmia
Warmblood	MC	15	670	41	3.97	*	myocardiopathy	mild MI, TI	-
Warmblood	MC	22	520	45	*	2.77	severe AI	bronchopneumonia	-
Warmblood	MC	8	530	74	3.31	*	severe MI	-	AF
Thoroughbred	M	3	515	55	3.43	1.85	moderate TI	mild AI	-
Warmblood	MC	3	510	70	*	3.67	severe MI	-	-
Quarter Horse	F	25	425	44	*	2.52	severe MI	mild AI	-
Thoroughbred	F	3	390	36	3.63	*	mild TI	-	-
Warmblood	MC	8	720	48	3.36	*	moderate TI	mild MI	-
Warmblood	F	11	600	89	4.65	*	CHF	MI, AI, TI, PI	AF
Thoroughbred	F	3	490	42	*	2.56	mild MI	mild PI, trivial TI	-
Warmblood	MC	3	510	70	*	4.51	severe MI	moderate PI	-
Warmblood	MC	4	570	38	4.22	*	moderate MI	moderate TI	-
Arabian	MC	22	360	64	3.81	3.12	CHF	severe MI due to RCT	-
Warmblood	MC	8	480	77	3.45	3.24	CHF	severe MI	AF
Warmblood	MC	10	620	33	3.67	2.01	moderate MI	mild MI, TI, PI	-
Warmblood	MC	11	600	54	5.20	4.23	CHF	MI, AI, TI, PI	AF
Warmblood	MC	8	570	30	3.90	2.06	moderate MI	mild TI, PI, AI	-
Paint Horse	MC	5	500	47	4.40	3.35	severe TI	mild PI	-
Warmblood	MC	5	550	55	3.44	2.73	severe TI	moderate MI, moderate PI	AF
Warmblood	F	7	600	40	3.05	2.51	severe MI	mild TI, PI, AI	AF
Warmblood	F	8	600	37	3.37	*	mild TI	-	-
Arabian	MC	9	410	30	*	3.02	VSD	severe PI	-
Warmblood	F	14	613	47	3.56	*	moderate TI	Equine Asthma	AF
Thoroughbred	M	4	530	28	3.87	2.07	mild TI, AI, MI	EIPH	-
Warmblood	F	6	500	41	*	2.88	VSD	severe PI, mild AI	-
Thoroughbred	M	3	510	33	4.44	*	severe MI, severe TI	mild PI, AI	-
Thoroughbred	MC	15	600	46	3.89	*	severe AI	-	AF
Warmblood	MC	7	530	27	3.43	1.72	mild TI	-	-
Warmblood	F	15	450	64	invasive PAP measurement		pulmonary arteritis with PHT	pleuritis, bronchitis	-
Warmblood	F	7	630	38	3.80	*	moderate MI, TI	-	APCs

AF: atrial fibrillation, APCs: atrial premature complexes, BWT: body weight, AI: aortic insufficiency, CHF: congestive heart failure, EIPH: exercise-induced pulmonary hemorrhage, F: female, LV: left ventricle, M: male, MC: male castrated, MI: mitral insufficiency, PHT: pulmonary hypertension, PI: pulmonary insufficiency, RCT: ruptured chordae tendineae, TI: tricuspid insufficiency, VSD: ventricular septum defect, *: no valvular regurgitation present

Supplementary Material 2 - Table 2: Additional information on 30 horses included in the group “No-PHT”.

Breed	Sex	Age (y)	BWT (kg)	HR (/min)	TR Vmax (m/s)	PR Vmax (m/s)	Main Diagnosis	Additional Diagnosis	Arrhythmia
Appaloosa	MC	27	530	33	*	1.34	severe AI	trivial MI, PI	-
Arabian	MC	18	425	34	*	1.14	moderate MI	trivial PI	-
Arabian	M	22	460	40	*	1.78	severe AI	moderate MI, mild PI	-
Warmblood	F	22	540	44	*	1.42	severe AI	mild TI, PI	VPCs
Warmblood	MC	22	630	33	*	1.89	mild AI, MI, PI	-	-
Warmblood	M	5	570	36	2.98	*	moderate MI	mild TI	-
Thoroughbred	MC	4	450	64	*	1.54	mild AI, mild PI	-	AF
Warmblood	MC	16	650	38	*	1.82	mild AI, mild PI	-	-
Warmblood	MC	13	600	34	*	0.68	moderate MI	mild AI, PI	-
Appaloosa	MC	16	490	44	*	2.89	moderate MI	mild TI	APCs
Warmblood	MC	7	480	28	*	1.85	mild MI, PI	-	-
Warmblood	MC	15	590	31	*	1.13	severe AI	trivial TI, mild PI	APCs
Warmblood	MC	15	520	41	*	2.04	mild MI, AI, PI	-	-
Warmblood	MC	16	640	36	2.34	*	severe AI	mild TI, trivial MI	
Warmblood	MC	8	650	52	1.56	1.28	moderate MI	trivial TI, AI, PI	AF
Warmblood	F	13	630	48	2.12	*	moderate MI	moderate TI	AF
Warmblood	F	13	570	34	*	1.66	mild MI	trivial AI, PI	-
Warmblood	MC	8	600	34	*	1.36	mild MI	trivial PI	-
Warmblood	MC	19	540	47	*	1.86	mild MI, PI, AI	-	AF
Andalusian	MC	3	420	40	*	1.23	trivial MI, AI, PI	-	-
Warmblood	F	10	520	30	*	1.89	mild AI, PI	-	-
Arabian	F	17	450	36	*	1.94	diastolic dysfunction LV of unknown cause	mild PI	-
Warmblood	MC	10	660	34	*	2.05	mild PI	-	AF
Warmblood	MC	9	500	36	*	1.91	mild PI	-	VPC, VT
Warmblood	MC	7	500	36	*	1.65	moderate MI	trivial PI	-
Arabian	MC	25	460	47	*	1.73	moderate AI, PI, MI	-	-
Warmblood	F	16	615	32	2.84	*	severe AI	mild MI, mild TI	-
Freiberger	MC	24	450	51	*	1.57	trivial MI, AI, PI	-	-

Warmblood	MC	17	550	37	1.71	*	mild MI	traces TI, PI	-
Warmblood	MC	11	565	45	*	2.02	mild MI, TI, PI	-	-
AF: atrial fibrillation, APCs: atrial premature complexes, AI: aortic insufficiency, BWT: body weight, F: female, G: gelding, LV: left ventricle, M: male, MC: male castrated, MI: mitral insufficiency, PI: pulmonary insufficiency, TI: tricuspid insufficiency, VPCs: ventricular premature complexes, VT: ventricular tachycardia, *: no valvular regurgitation present									