

9 Anhang

9.1 Ergebnisse der Messmethode nach VIEHMANN

Tab. 27: Golden Retriever (n=216)

		Radius-L	Radius-R	Fläche-X-L	Fläche-X-R	Quotient-Q-L	Quotient-Q-R	Quotient-Ae-L	Quotient-Ae-R
Mittelwert		8,6174	8,6569	22,4544	22,3748	1,2570	1,2563	0,3134	0,3119
Median		8,5817	8,6883	22,2933	22,6367	1,2533	1,2567	0,3133	0,3133
Minimum		7,29	7,20	13,46	12,78	1,19	1,16	0,27	0,27
Maximum		10,43	11,08	32,51	31,38	1,35	1,40	0,38	0,36
Quartile	25%	8,2875	8,2850	20,2292	20,3308	1,2275	1,2333	0,3000	0,3000
	75%	8,9558	8,9875	24,5467	24,7850	1,2792	1,2767	0,3267	0,3233

		Winkel-β-L	Winkel-β-R	S1-L	S1-R	S2-L	S2-R
Mittelwert		115,8180	116,0468	0,8099	0,7832	0,5532	0,5477
Median		115,9000	115,9333	0,7867	0,7283	0,5200	0,4867
Minimum		104,93	109,53	0,28	0,34	0,08	0,11
Maximum		123,50	122,83	2,16	1,81	1,66	1,40
Quartile	25%	113,6417	114,1083	0,6267	0,6142	0,3775	0,3908
	75%	118,1833	118,1250	0,9258	0,9067	0,6858	0,6833

Tab. 28: Golden Retriever nach Altersgruppen

Altersgruppe 1 (366-547 Tage) n=180

		Radius-L	Radius-R	Fläche-X-L	Fläche-X-R	Quotient-Q-L	Quotient-Q-R	Quotient-Ae-L	Quotient-Ae-R
Mittelwert		8,6158	8,6576	22,5173	22,4532	1,2574	1,2571	0,3133	0,3121
Median		8,6001	8,6750	22,5050	22,8517	1,2533	1,2567	0,3100	0,3133
Minimum		7,29	7,20	14,67	14,35	1,19	1,18	0,27	0,27
Maximum		10,43	11,08	32,51	31,38	1,35	1,40	0,38	0,36
Quartile	25%	8,2742	8,3108	20,3925	20,4517	1,2267	1,2333	0,3000	0,3000
	75%	8,9742	8,9875	24,5467	24,8350	1,2800	1,2767	0,3233	0,3267

		Winkel-β-L	Winkel-β-R	S1-L	S1-R	S2-L	S2-R
Mittelwert		115,8484	116,0195	0,7997	0,8007	0,5469	0,5618
Median		115,8500	116,0167	0,7550	0,7500	0,5117	0,4967
Minimum		104,93	109,53	0,28	0,36	0,08	0,11
Maximum		123,50	122,83	2,16	1,81	1,66	1,40
Quartile	25%	113,9333	114,0333	0,6167	0,6308	0,3742	0,3950
	75%	118,0583	118,0917	0,9233	0,9342	0,6817	0,6975

Altersgruppe 2 (548-730 Tage) n = 24

		Radius-L	Radius-R	Fläche-X-L	Fläche-X-R	Quotient-Q-L	Quotient-Q-R	Quotient-Ae-L	Quotient-Ae-R
Mittelwert		8,6579	8,6951	22,4054	22,8153	1,2564	1,2599	0,3144	0,3119
Median		8,5150	8,8133	22,0267	22,4500	1,2533	1,2583	0,3167	0,3150
Minimum		8,11	7,95	16,15	13,58	1,21	1,16	0,28	0,27
Maximum		9,35	9,38	30,79	30,79	1,34	1,34	0,35	0,35
Quartile	25%	8,3350	8,1900	18,8983	20,1508	1,2400	1,2375	0,2967	0,2967
	75%	8,9425	9,0633	25,1967	25,4625	1,2658	1,2892	0,3325	0,3233

		Winkel-β-L	Winkel-β-R	S1-L	S1-R	S2-L	S2-R
Mittelwert		115,7431	116,1361	0,8581	0,6713	0,5779	0,4571
Median		116,1667	115,3333	0,8233	0,6217	0,5483	0,4567
Minimum		110,83	110,83	0,49	0,34	0,28	0,11
Maximum		120,67	121,77	1,39	1,23	0,98	0,75
Quartile	25%	113,4333	114,3333	0,6575	0,5667	0,4067	0,3742
	75%	118,2250	118,2500	0,9717	0,7342	0,7142	0,5492

Altersgruppe 3 (≥ 731 Tage) n = 12

	Radius-L	Radius-R	Fläche-X-L	Fläche-X-R	Quotient-Q-L	Quotient-Q-R	Quotient-Ae-L	Quotient-Ae-R	
Mittelwert	8,5597	8,5706	21,6081	20,3172	1,2533	1,2383	0,3136	0,3094	
Median	8,4867	8,4100	21,1000	20,2950	1,2583	1,2400	0,3100	0,3150	
Minimum	7,83	7,89	13,46	12,78	1,22	1,16	0,29	0,28	
Maximum	9,19	9,39	31,09	29,55	1,30	1,28	0,35	0,34	
Quartile	25%	8,1275	8,0717	19,9008	18,5008	1,2267	1,2250	0,2942	0,2858
	75%	9,0625	9,1650	23,7392	23,9200	1,2733	1,2617	0,3300	0,3225

	Winkel-β-L	Winkel-β-R	S1-L	S1-R	S2-L	S2-R	
Mittelwert	115,5111	116,2778	0,8667	0,7444	0,5986	0,5169	
Median	115,9167	115,4500	0,8200	0,7467	0,5933	0,4433	
Minimum	109,63	111,40	0,60	0,39	0,26	0,13	
Maximum	119,23	121,67	1,29	1,23	0,99	0,96	
Quartile	25%	112,9167	113,3750	0,7075	0,6525	0,4450	0,3200
	75%	118,3250	120,0917	0,9275	0,8250	0,8000	0,7433

Tab. 29: Golden Retriever: Merkmale nach Arthrosegraden

ED-Grad Links		Radius-L	Fläche-X-L	Quotient-Q-L	Quotient-Ae-L	Winkel-β-L	S1-L	S2-L	
0 n=178	Mittelwert	8,5918	22,3639	1,2561	0,3127	115,9362	0,8090	0,5572	
	Median	8,5450	22,4250	1,2533	0,3133	115,9000	0,7817	0,5117	
	Minimum	7,29	13,46	1,19	0,27	104,93	0,28	0,08	
	Maximum	10,11	32,51	1,35	0,38	123,50	2,16	1,66	
		25%	8,2858	20,1975	1,2292	0,2967	113,9083	0,6267	0,3792
		75%	8,9533	24,5008	1,2775	0,3233	118,2500	0,9242	0,6950
1 n=29	Mittelwert	8,7397	22,7368	1,2579	0,3163	115,2667	0,8386	0,5503	
	Median	8,8300	22,2567	1,2533	0,3100	116,0667	0,8233	0,5367	
	Minimum	7,56	17,13	1,20	0,29	108,70	0,47	0,24	
	Maximum	9,90	31,75	1,34	0,36	120,17	1,42	0,97	
		25%	8,3333	20,2317	1,2250	0,3067	113,2500	0,6600	0,3850
		75%	9,1467	25,4950	1,2817	0,3283	117,2167	0,9500	0,6500

2 n=7	Mittelwert	8,7186	22,9862	1,2700	0,3167	115,5571	0,7505	0,4686	
	Median	8,4133	22,0000	1,2633	0,3267	113,4333	0,6900	0,4633	
	Minimum	8,07	15,71	1,21	0,27	110,83	0,48	0,16	
	Maximum	10,43	30,79	1,34	0,34	122,83	1,21	0,72	
		25%	8,1072	17,6600	1,2300	0,2967	112,6000	0,4933	0,3000
		75%	9,2100	27,8700	1,3300	0,3333	119,6000	0,9867	0,6867
3 n=2	Mittelwert	8,7667	24,5483	1,2800	0,3233	114,2000	0,6800	0,5400	
	Median	8,7667	24,5483	1,2800	0,3233	114,2000	0,6800	0,5400	
	Minimum	8,37	20,70	1,23	0,30	110,10	0,50	0,36	
	Maximum	9,16	28,40	1,33	0,35	118,30	0,86	0,72	
		25%	8,3700	20,7000	1,2267	0,3000	110,1000	0,4967	0,3633
		75%	9,1633	28,3967	1,3333	0,3467	118,3000	0,8633	0,7167

ED-Grad Rechts		Radius-R	Fläche-X-R	Quotient-Q-R	Quotient-Ae-R	Winkel-β-R	S1-R	S2-R
0 n=187	Mittelwert	8,6143	22,1463	1,2545	0,3110	116,1840	0,7861	0,5406
	Median	8,6367	22,4550	1,2567	0,3133	116,0667	0,7300	0,4833
	Minimum	7,20	12,78	1,16	0,27	109,83	0,36	0,11
	Maximum	10,22	31,38	1,39	0,36	122,83	1,53	1,40
	Quartile 25%	8,2367	20,2100	1,2333	0,2967	114,2333	0,6167	0,3933
	75%	8,9400	24,4933	1,2767	0,3233	118,2667	0,9133	0,6767
1 n=22	Mittelwert	8,9088	23,4485	1,2592	0,3167	115,2152	0,8042	0,6214
	Median	8,9333	23,3300	1,2617	0,3150	115,0000	0,7483	0,5450
	Minimum	7,79	18,19	1,19	0,28	109,53	0,38	0,22
	Maximum	11,08	30,79	1,36	0,35	121,40	1,81	1,18
	Quartile 25%	8,2783	21,1242	1,2342	0,3092	113,2583	0,5750	0,3792
	75%	9,4142	24,8942	1,2742	0,3283	116,6083	0,8775	0,8258

2 n=6	Mittelwert		9,0122	25,3233	1,2939	0,3206	115,1056	0,6294	0,5389
	Median		9,1667	26,5750	1,2917	0,3217	114,6333	0,6817	0,5117
	Minimum		8,21	18,57	1,20	0,29	110,93	0,34	0,30
	Maximum		9,48	29,32	1,40	0,35	120,77	0,80	0,89
	Quartile	25%	8,5525	21,1783	1,2533	0,3075	112,9083	0,4750	0,3675
		75%	9,4058	28,9658	1,3300	0,3342	117,2667	0,7633	0,6950
3 n=1	Mittelwert		8,9467	23,7933	1,3033	0,3233	114,3333	0,7000	0,3033
	Median		8,9467	23,7933	1,3033	0,3233	114,3333	0,7000	0,3033
	Minimum		8,95	23,79	1,30	0,32	114,33	0,70	0,30
	Maximum		8,95	23,79	1,30	0,32	114,33	0,70	0,30
	Quartile	25%	8,9467	23,7933	1,3033	0,3233	114,3333	0,7000	0,3033
		75%	8,9467	23,7933	1,3033	0,3233	114,3333	0,7000	0,3033

9.2 Ergebnisse der Messmethode nach MUES

Tab. 30: Golden Retriever (n=216)

	OL-li	OL-re	PA-li	PA-re	UL-li	UL-re	RA-li	RA-re	Radius-li	Radius-re	BW-li	BW-re	
Mittelwert	26,6214	26,8333	27,5597	27,3544	113,0144	112,8323	79,2099	78,6734	30,2227	30,3292	32,1250	33,5736	
Median	27,0000	26,8333	27,3333	27,6667	113,0000	113,3333	79,3333	78,0000	30,3333	30,8333	31,3333	31,8333	
Minimum	12,67	15,00	17,67	16,67	98,67	74,67	59,33	66,67	19,00	17,33	5,00	7,67	
Maximum	34,67	36,33	40,00	36,33	128,00	123,00	98,67	93,33	44,00	44,33	72,00	92,67	
Quartile	25%	24,3333	24,0000	25,0000	24,6667	110,0000	109,3333	75,4167	75,0833	27,6667	27,7500	22,6667	24,0833
	75%	29,3333	29,3333	30,0000	29,9167	116,0000	116,0000	82,6667	82,0000	33,0000	33,0000	40,1667	41,0000

Tab. 31: Golden Retriever nach Altersgruppen
Altersgruppe 1 (366-547 Tage) n=180

	OL-li	OL-re	PA-li	PA-re	UL-li	UL-re	RA-li	RA-re	Radius-li	Radius-re	BW-li	BW-re	
Mittelwert	26,7346	26,8352	27,6642	27,4160	113,0358	112,9673	79,0722	78,6951	30,4025	30,3451	33,1037	34,1994	
Median	27,0000	26,8333	27,6667	27,6667	113,0000	113,5000	79,3333	78,0000	30,8333	31,0000	32,3333	32,6667	
Minimum	12,67	15,00	17,67	16,67	98,67	102,67	59,33	66,67	19,00	17,33	5,00	7,67	
Maximum	34,67	36,33	40,00	36,33	128,00	123,00	98,67	93,33	44,00	44,33	72,00	92,67	
Quartile	25%	24,6667	24,3333	25,0000	24,7500	109,7500	109,6667	75,0000	75,3333	27,7500	27,7500	23,4167	24,0833
	75%	29,3333	29,2500	30,0000	29,6667	116,0000	116,0000	82,6667	82,3333	33,0000	33,0000	41,9167	41,3333

Altersgruppe 2 (548-730 Tage) n = 24

	OL-li	OL-re	PA-li	PA-re	UL-li	UL-re	RA-li	RA-re	Radius-li	Radius-re	BW-li	BW-re	
Mittelwert	25,5556	26,2500	27,3056	27,5694	113,9861	114,2639	80,0556	79,2500	29,8889	30,2639	28,4306	32,7083	
Median	24,5000	26,5000	26,3333	28,5000	113,0000	114,1667	79,1667	77,8333	30,0000	30,6667	28,0000	31,3333	
Minimum	13,67	19,00	21,67	19,33	108,33	107,67	73,33	71,67	22,67	24,00	12,00	9,67	
Maximum	33,00	34,33	38,67	34,33	123,00	122,33	90,67	92,33	34,67	34,67	54,33	59,00	
Quartile	25%	22,4167	22,0833	24,0000	24,1667	111,0000	109,3333	77,3333	74,6667	28,3333	28,2500	20,5833	27,2500
	75%	30,5833	30,8333	30,6667	30,9167	116,5000	118,5000	82,2500	84,0000	32,0000	32,3333	35,9167	40,1667

Altersgruppe 3 (≥ 731 Tage) n = 12

	OL-li	OL-re	PA-li	PA-re	UL-li	UL-re	RA-li	RA-re	Radius-li	Radius-re	BW-li	BW-re	
Mittelwert	27,0556	27,9722	26,5000	26,0000	110,7500	107,9444	79,5833	77,1944	28,1944	30,2222	24,8333	25,9167	
Median	27,0000	28,1667	26,5000	26,5000	111,5000	109,3333	79,0000	77,5000	28,5000	30,5000	26,0000	28,1667	
Minimum	21,67	21,33	22,67	18,33	103,00	74,67	75,00	69,67	20,00	25,33	11,00	12,00	
Maximum	34,00	33,00	32,67	31,67	117,00	121,67	85,33	85,67	35,67	36,00	45,67	41,33	
Quartile	25%	24,7500	24,7500	23,6667	23,0833	108,2500	107,0833	76,7500	73,8333	26,3333	27,3333	13,7500	13,6667
	75%	28,6667	31,2500	28,5000	28,2500	114,2500	114,1667	83,0000	79,9167	29,5833	32,9167	32,0833	33,5000

Tab. 32: Golden Retriever: Merkmale nach Arthrosegraden

ED-Grad-L		OL-li	PA-li	UL-li	RA-li	Radius-li	BW-li
0 n=178	Mittelwert	26,5144	27,3683	113,2928	78,6760	30,4894	31,7210
	Median	26,6667	27,3333	113,3333	78,6667	30,5000	31,1667
	Minimum	12,67	17,67	98,67	59,33	20,00	5,00
	Maximum	34,67	37,67	128,00	94,00	44,00	72,00
	Quartile 25%	24,3333	24,6667	110,2500	75,0000	28,2500	22,3333
	75%	29,3333	30,0000	116,3333	82,0000	33,0000	39,6667
1 n=29	Mittelwert	26,7586	27,9540	112,0115	80,8621	29,0460	31,8046
	Median	27,6667	28,3333	112,3333	80,0000	30,6667	29,3333
	Minimum	16,33	20,33	101,67	74,33	19,00	10,67
	Maximum	34,00	34,33	123,00	92,67	36,00	66,33
	Quartile 25%	23,6667	25,3333	109,0000	77,0000	25,0000	23,6667
	75%	29,5000	30,1667	115,3333	83,8333	32,1667	40,5000

2 n=7	Mittelwert		28,8095	29,5714	110,0952	81,7143	28,4286	38,0952
	Median		28,0000	30,0000	111,0000	80,6667	26,3333	36,3333
	Minimum		22,33	21,33	102,33	73,67	25,67	22,33
	Maximum		33,67	38,67	115,67	90,67	36,33	54,33
	Quartile	25%	26,6667	24,0000	107,0000	75,3333	26,3333	25,6667
		75%	33,3333	32,6667	114,6667	90,0000	30,6667	50,0000
3 n=2	Mittelwert		26,5000	31,8333	113,0000	94,0000	29,8333	51,8333
	Median		26,5000	31,8333	113,0000	94,0000	29,8333	51,8333
	Minimum		23,00	23,67	112,67	89,33	29,00	40,67
	Maximum		30,00	40,00	113,33	98,67	30,67	63,00
	Quartile	25%	23,0000	23,6667	112,6667	89,3333	29,0000	40,6667
		75%	30,0000	40,0000	113,3333	98,6667	30,6667	63,0000

ED-Grad-R		OL-re	PA-re	UL-re	RA-re	Radius-re	BW-re
0 n=187	Mittelwert	26,7166	27,2246	112,7950	78,5722	30,2870	33,4029
	Median	26,6667	27,6667	113,3333	78,0000	31,0000	31,6667
	Minimum	17,33	17,33	74,67	66,67	17,33	7,67
	Maximum	36,33	36,33	123,00	93,33	44,33	92,67
	Quartile 25%	24,0000	24,6667	109,3333	75,0000	27,6667	24,0000
	75%	29,0000	29,6667	116,0000	82,0000	32,6667	40,3333
1 n=22	Mittelwert	27,7273	27,5859	113,1566	78,0960	30,7778	32,2828
	Median	28,5000	28,5000	115,0000	76,8333	30,6667	31,5000
	Minimum	18,33	16,67	103,00	67,33	20,00	9,33
	Maximum	36,00	33,67	122,33	90,67	43,00	59,67
	Quartile 25%	24,7500	23,9167	109,7500	74,9167	28,0000	20,1667
	75%	30,4167	30,6667	116,2500	81,5000	33,7500	43,1667

2 n=6	Mittelwert		25,9444	29,3889	113,2222	82,9444	29,2778	39,3889
	Median		26,0000	28,6667	111,8333	82,1667	28,5000	34,0000
	Minimum		15,00	26,00	109,33	71,67	27,33	29,67
	Maximum		34,00	33,00	118,67	92,33	34,00	56,67
	Quartile	25%	21,5000	27,0000	110,5833	77,9167	27,3333	31,1667
		75%	31,7500	32,7500	117,1667	90,0833	31,0000	51,9167
3 n=1	Mittelwert		34,3333	34,3333	110,3333	84,6667	34,6667	59,0000
	Median		34,3333	34,3333	110,3333	84,6667	34,6667	59,0000
	Minimum		34,33	34,33	110,33	84,67	34,67	59,00
	Maximum		34,33	34,33	110,33	84,67	34,67	59,00
	Quartile	25%	34,3333	34,3333	110,3333	84,6667	34,6667	59,0000
		75%	34,3333	34,3333	110,3333	84,6667	34,6667	59,0000