

Online Supplementary Material to:

Distal femoral lateral closing wedge osteotomy as a component of comprehensive treatment of medial patellar luxation and distal femoral varus in dogs

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Telephone Questionnaire

Please answer the following questions by responding with a score of 0 to 10. Please answer for how your dog is doing NOW.

Example: How well can your dog eat breakfast?

0 = Poorly

10 = Very well

1. How has your dog's general quality of life been over the past month?
0 = Has limited quality of life
10 = Couldn't be better
2. What has your dog's attitude been like over the past month?
0 = Depressed, hard to engage
10 = Happy, agreeable
3. Frequency of postures of a happy dog (ie. Tail wagging, soliciting attention)?
0 = Never
10 = Many times a day
4. Willingness to play voluntarily?
0 = Never
10 = Always
5. How often does your dog get exercise?
0 = Never
10 = Multiple times a day
6. What is your dog's exercise tolerance (ability to go for walks without stopping or tiring)?
0 = Struggles on short walks
10 = Copes well with long walks
7. How often does your dog indicate lameness when walking?
0 = Always
10 = Never
8. Stiffness when arising for the day?
0 = Very stiff
10 = Not stiff
9. Stiffness at the end of the day?
0 = Very Stiff
10 = Not stiff
10. How often does your dog experience pain when turning suddenly while walking?
0 = Every time
10 = Never

11. How well can your dog walk without pain?
0 = Painful
10 = Not painful
12. How well can your dog run without pain?
0 = Painful
10 = Not painful
13. How lame do you perceive your dog to be?
0 = Couldn't be more lame
10 = Not lame
14. How well can your dog climb up stairs?
0 = Poorly
10 = Very well
15. How well can your dog climb down stairs?
0 = Poorly
10 = Very well
16. How well can your dog jump up?
0 = Poorly
10 = Very well
17. How well can your dog jump down?
0 = Poorly
10 = Very well
18. How would you grade the success of the operation on the right leg?
0 = Poor
10 = Excellent
19. How would you grade the success of the operation on the left leg?
0 = Poor
10 = Excellent
20. Would you have this operation done again in the same circumstances?
0 = Never
10 = Definitely
21. Did you seek veterinary care from any other facility regarding this problem?
22. Did you pursue physical therapy at a physical therapy facility?
23. Any further comments?

Appendix Table 1: Summary data for 55 dogs (66 Limbs) with medial patellar luxation treated by lateral closing wedge distal femoral osteotomy (DFO). Letters indicate bilateral surgery (same letter designation indicates same dog).

Legend: Abr troch = abrasion trochleoplasty; aLDFA = anatomic lateral distal femoral joint angle; CCWO = cranial closing wedge osteotomy; CrCL = cranial cruciate ligament rupture; CT = computed tomography; F = Female; FS = Female spayed; HD = hip dysplasia; L = Left; Lat imb = biceps fascia imbrication; LCWO = lateral closing wedge osteotomy; LFS = lateral fabello-tibial suture; M = Male; MC = Male castrated; MCWO = medial closing wedge osteotomy; Med rel = medial retinacular release; NA = not available; NP = not performed; Post-Op = postoperative; Pre-Op = preoperative; R = Right; Rad = radiography; TBR = trochlear block recession; TPA = tibial plateau angle; TPLO = tibial plateau leveling osteotomy; TTA = tibial tuberosity advancement; TTT = tibial tuberosity transposition; TWR = trochlear wedge recession

Limb	Breed	Age (yr)	Sex	Weight (kg)	Side	Pre-op aLDFA	Post-Op aLDFA	Anteversion (Pre-op)	Imaging modality (Pre-op)	Luxation grade (Pre-op)	Concurrent Problems	Other Procedures
1 ^a	Newfoundland	1	M	74	R	109	103	NP	Rad	NA	None	None
2 ^a	Newfoundland	1	M	77	L	114	100	NP	Rad	NA	None	None
3	Mixed breed	3	MC	25	R	105	101	NP	Rad	III	None	TTT
4 ^b	Cocker Spaniel	2	FS	15	L	116	97	23	Rad	III	CrCL	TWR, TTT, LFS
5 ^c	Golden Retriever	1	FS	30	R	NA	NA	NP	Rad	II	None	None
6	Golden Retriever	1	FS	26	L	100	97	NP	Rad	IV	None	TTT
7	Great Pyrenees	2	MC	53	R	NA	NA	NP	Rad	II	None	TWR
8 ^d	Golden Retriever	4	FS	40	R	111	92	NP	Rad	III	CrCL, Proximal tibial valgus	TWR, TPLO, MCWO tibia
9 ^e	Labrador Retriever	1	FS	27	L	105	90	29	Rad	II	CrCL, HD	TPLO
10 ^b	Cocker Spaniel	4	FS	16	R	115	94	30	Rad	III	CrCL	LFS

11	American Pit Bull Terrier	3	FS	22	R	108	90	16	Rad	IV	CrCL	TWR, TTT, LFS
12 ^e	Labrador Retriever	1	FS	27	R	102	87	33	Rad	II	CrCL	TPLO
13	Labrador Retriever	1	FS	41	R	109	99	NP	Rad	II	CrCL	TPLO
14 ^d	Golden Retriever	3	FS	35	L	107	90	NP	Rad	III	CrCL	TWR, Lat imb, TPLO
15	Labrador Retriever	1	M	37	R	103	92	19	Rad	II	CrCL	TPLO
16	Mixed breed	1	MC	21	R	99	90	20	Rad	III	None	TTT
17	Labrador Retriever	1	FS	31	R	111	91	NP	CT	IV	CrCL	TWR, TTT, Lat Imb
18	American Pit Bull Terrier	2	FS	31	R	111	96	NP	Rad	III	None	TTT
19 ^c	Golden Retriever	3	FS	25	L	NA	NA	NP	Rad	III	None	TTT
20	Labrador Retriever	1	FS	38	R	107	94	NP	Rad	II	None	TTT
21	Boston Terrier	2	MC	10	L	105	80	NP	Rad	III	None	TWR
22	Great Pyrenees	2	FS	47	R	103	92	NP	Rad	II	CrCL	TWR, TPLO
23	Mixed breed	1	MC	38	R	116	98	NP	Rad	III	None	TWR, Lat imb
24	Rottweiler	2	FS	NA	L	109	98	27	Rad	III	CrCL	TWR, TPLO

25	Labrador Retriever	3	FS	32	L	113	97	NP	Rad	III	None	None
26	Labrador Retriever	4	MC	42	R	NA	NA	NP	Rad	II	CrCL	Med rel, Lat imb, TPLO
27	Labrador Retriever	2	MC	34	R	102	91	NP	Rad	III	None	None
28	Labrador Retriever	2	FS	33	R	108	NA	NP	Rad	II	CrCL	TPLO
29	NA	NA	NA	NA	L	102	92	NP	Rad	III	CrCL	TPLO
30	Boston Terrier	NA	FS	NA	L	102	93	NP	Rad	III	None	None
31 [†]	Labrador Retriever	2	MC	NA	L	111	95	NP	Rad	III	None	TWR, TTT, Lat imb
32 ^g	English Bulldog	2	FS	NA	L	105	98	NP	Rad	IV	None	Med rel, TWR, LFS, TTT, Lat imb
33	Mixed breed	2	MC	30	R	107	92	NP	Rad	III	None	None
34	Golden Retriever	1	FS	32	L	105	93	NP	Rad	III	None	None
35 ^f	Labrador Retriever	2	MC	NA	R	117	107	NP	Rad	III	None	TWR, TTT, Lat imb
36	Greater Swiss Mountain Dog	2	MC	NA	L	108	95	NP	Rad	III	Proximal tibial valgus	TWR, Lat Imb, Lateral fabella-patellar suture, MCWO tibia
37	Labrador Retriever	4	MC	39	L	114	95	NP	Rad	II	CrCL	TWR, TPLO, TTT

38	Mixed breed	3	MC	34	L	109	91	NP	Rad	III	None	Abr troch, TTT
39 ^g	English Bulldog	3	FS	NA	R	114	100	NP	Rad	IV	Tibial torsion	Med rel, TWR, TTT, Lat imb, Torsional osteotomy tibia
40 ^h	Labrador Retriever	2	MC	39	L	107	91	NP	Rad	II	Previous TPLO and TTT	Removal of previous implants (TPLO and TTT), Med rel, TWR, TTT, Lat imb
41 ⁱ	American Bulldog	3	MC	NA	R	106	97	38	Rad	IV	CrCL, Proximal tibial valgus, Femoral torsion	(Torsional correction femur w/LCWO) TWR, Med rel, Lat imb, TPLO w/ MCWO
42	Mixed breed	3	FS	34	R	104	92	NP	Rad	III	None	TBR
43 ^h	Labrador Retriever	2	MC	38	R	103	92	NP	Rad	III	CrCL	TWR, TPLO
44	Labrador Retriever	1	MC	40	R	106	93	NP	Rad	III	None	TWR, TTT
45 ^j	Great Pyrenees	3	FS	38	L	103	97	NP	Rad	IV	CrCL	Med rel, Abr troch, Lat imb, TTA
46	Akita	1	M	34	R	100	92	14	Rad	III	None	TTT

47 ⁱ	American Bulldog	3	MC	NA	L	108	100	40	Rad	III	CrCL, Proximal tibial valgus, Femoral torsion	(Torsional correction femur w/LCWO) TWR, Med rel, TTT, Lat imb, TPLO w/ MCWO tibia
48	Golden Retriever	10	MC	42	R	101	92	31	Rad	II	Previous TPLO	TWR, TTT
49	Mixed breed	1	MC	30	R	108	92	NP	Rad	III	None	Med rel, TTT, Lat imb
50 ^j	Great Pyrenees	3	FS	38	R	100	90	NP	Rad	IV	None	Med rel, Abr troch, TTT, Lat imb
51	Labrador Retriever	2	MC	40	R	100	91	NP	Rad	II	None	TWR, Lat imb
52	Mixed breed	4	FS	NA	L	108	96	NP	Rad	III	CrCL w/ excessive TPA, Proximal tibial valgus	Med rel, TWR, Lat imb, Lateral fabella-patellar suture, TPLO w/ MCWO and CCWO (biplanar cuts)
53	Mixed breed	2	NA	18	R	103	94	NP	Rad	III	CrCL	TWR, Lat imb, TTA w/ TTT
54	Golden Retriever	2	MC	38	R	117	98	31	Rad	II	None	TWR, TTT
55 ^k	Pomeranian	1	MC	5	L	110	94	NP	Rad	IV	None	Med rel, Abr troch, TTT, Lat imb
56	Mixed breed	1	FS	29	L	108	91	NP	Rad	III	None	Lat imb, TTT

57	Mixed breed	2	FS	33	L	108	96	29	CT	II	CrCL	TWR, Lat imb, TPLO
58	Pomeranian	1	M	NA	L	106	92	NP	CT	IV	Tibial torsion, Distal femoral procurvatum	Biplanar closing wedge (CCWO & LCWO) femoral ostectomy, Med rel, Abr troch, TTT, Lat imb, Torsional osteotomy tibia
59	Shepherd mix	2	FS	29	L	107	98	23	CT	IV	None	Med rel, TTT, Lat imb
60	Labrador Retriever	1	MC	NA	L	103	91	NP	CT	III	None	TWR, TTT, Lat imb
61	Mastiff	5	FS	66	R	105	97	29	Rad	NA	CrCL	TWR, Lat imb, TPLO
62 ^k	Pomeranian	2	MC	5	R	105	96	NP	Rad	IV	None	Med rel, TBR, TTT
63	Chihuahua	2	MC	2	L	115	91	NP	Rad	III	None	Med rel, TWR, TTT, Lat imb,
64	Yorkshire Terrier	6	FS	4	L	105	90	NP	Rad	IV	CrCL	TWR, Lat imb, LFS
65	Cavalier King Charles Spaniel	1	MC	6	L	135	93	NP	Rad	IV	Proximal tibial valgus	TTT, Lat imb, MCWO tibia
66	Mixed breed	1	MC	34	R	108	94	NP	Rad	III	CrCL	Med rel, Lat imb, TPLO w/ MCWO