

1 Supplementary Material

2 **Table 1** – Variables of interest recorded on each limb during ex vivo study of the thread-transecting technique for tenotomy of the deep
3 digital flexor tendon.

Specimen number	Limb	Hydro- dissection (mL) ^a	Total procedure time (min)	Dorsal needle attempts ^b	Palmar needle attempts ^c	Hand used	Direction needle	Vessel distension (mL)	DDFT division	Iatrogenic damage
1	LH	2.5	9	1	3	R	LM	15	100%	SDFT mild fiber disruption, medial nerve 70% transected
2	RF	2.5	11.5	1	2	R	LM	20	100%	Lateral nerve 100% transected
3	LF	3.5	12.5	2	1	R	ML	20	100%	Lateral nerve 30% transected
4	RH	4	13.5	1	2	R	ML	30	100%	None
5	LF	4	15	1	6	R	ML	20	100%	Communicating nerve branch 100% transected
6	RH	2.9	8	2	1	R	ML	30	100%	SL superficial fiber disruption, lateral nerve and lateral artery 100% transected
7	LF	3.7	8.5	1	2	R	ML	35	100%	SDFT mild fiber disruption, medial nerve 100% transected
8	LH	4	11.5	1	2	R	LM	30	100%	None
9	LF	3.7	9.5	1	1	R	ML	20	100%	None
10	RF	6.3	16	1	1	L	ML	20	100%	Communicating nerve branch 100% transected
11	RH	3.5	18.5	1	2	L	LM	30	100%	None
12	LH	3.8	10.5	2	1	R	LM	35	100%	None
13	LF	2.8	8.5	1	1	R	ML	20	100%	None
14	RF	1	6	1	1	L	ML	20	100%	None
15	RF	1.6	6.5	1	1	L	ML	20	100%	None
16	LF	3.3	7	1	1	R	ML	27	100%	Communicating nerve branch 100% transected
17	RH	2.9	8.5	2	1	L	LM	30	100%	Communicating nerve branch 100% transected
18	RH	4.5	9	2	2	L	LM	20	100%	None
19	LH	2.8	5.5	1	1	R	LM	20	100%	Communicating nerve branch 100% transected
20	LF	3.4	7.5	2	1	R	ML	20	100%	None
21	RF	2.5	6.5	1	1	L	ML	20	100%	None
22	RF	3.7	8	1	1	L	ML	20	100%	Communicating nerve branch 100% transected
23	LF	2.8	8	1	1	R	ML	15	100%	None
24	RH	2.8	6.5	1	1	L	LM	20	100%	Communicating nerve branch 100% transected
25	LH	3.5	8	2	1	R	LM	20	100%	None
26	RF	1.7	5.5	1	1	L	ML	20	100%	None
27	LF	4.3	7.5	2	3	R	ML	15	100%	None
28	RH	4.7	8.5	1	1	L	LM	20	100%	SDFT mild fiber disruption, medial nerve 100% transected
29	LH	4.4	7	1	1	R	LM	20	100%	None
30	RF	2.7	5	1	1	L	ML	20	100%	Communicating nerve branch 100% transected

31	LF	2.6	5	1	1	R	ML	20	100%	None
32	LH	1.9	5	1	1	R	LM	15	100%	None
33	RH	2.5	6.5	1	1	L	LM	20	100%	Medial nerve 100% transected
34	RF	3.2	7	1	1	L	ML	20	100%	None
35	LH	2.5	8.5	1	1	R	LM	20	100%	Medial nerve 30%, communicating nerve branch 100% transected
36	RH	2.8	7	1	2	L	LM	20	100%	None
37	LF	2	5	1	1	R	ML	15	100%	None
38	RF	2.8	5.5	1	1	L	ML	20	100%	None
39	LF	0.9	12	2	3	R	ML	20	100%	SDFT mild fiber disruption, communicating nerve branch 100% transected

4 Abbreviations: LF, left forelimb; RF, right forelimb; LH, left hindlimb; RH, right hindlimb; LM, Lateral to medial; ML, medial to lateral;

5 DDFT, deep digital flexor tendon; SDFT, superficial digital flexor tendon; SL, suspensory ligament

6 ^aTotal amount of saline used for hydro-dissection dorsal and palmar/plantar to the DDFT

7 ^bNumber of attempts for correct placement of the Tuohy needle dorsal to the DDFT

8 ^cNumber of attempts for correct placement of the Tuohy needle palmar/plantar to the DDFT

