### **SUPPLEMENTARY TABLES**

1. Cox proportional hazards univariate analyses of the association between demographic and general health factors and the duration of work absence after carpal tunnel release (non-significant findings)

	N	Median time to return to work (days)	Inter quartile range	Hazards ratio <sup>1</sup>	95% Confidence intervals	P value
Body mass index (kg/m²) (censore	ed 1 norma	al, 1 overweight, 2	2 obese; 13 m	nissing)		
Normal (18.5-24.9)	47	20	12-33	1	-	-
Over (25.0-29.9)	64	19	12.5-29	0.98	0.65, 1.46	0.91
Obese (≥30)	67	21	10-40	0.88	0.60, 1.28	0.50
Surgery to dominant hand <sup>2</sup> (cens	ored 3 yes	, 2 no; no missing	data)			
Yes	128	19.5	12-33	1	-	-
No	62	22	12-35	0.83	0.61, 1.14	0.25
General health status (censored 5	excellent,	; 1 missing)				
Excellent/very good/ good	165	19	12-32	1	-	-
Fair/poor	24	28.5	12.5-42	0.74	0.47, 1.16	0.19
Number of comorbidities <sup>3</sup> (censo	red 3 none	e, 1 one; 1 missing	1)			
None	49	18	7-32	1	-	-
One	67	24	14-42	0.87	0.59, 1.27	0.47
Two or more	74	19.5	10-29	1.11	0.76, 1.62	0.60
Number of disability comorbiditie	s ³ (censor	ed 3 none, 2 one;	no missing d	ata)		
None	130	19	9-33	1	-	-
One	39	26	13-31	0.75	0.52, 1.08	0.12
Two or more	21	20	14-31	0.81	0.50, 1.32	0.40
Number of somatising symptoms	<sup>4</sup> (censore	d 1 none, 1 one, 3	two or more	e; 1 missing)		
None	96	19	10.5-35	1	-	-
One	51	22	13-34	0.98	0.70, 1.38	0.91
Two or more	42	19.5	14-31	0.84	0.58, 1.22	0.36
SF36 Mental health score (tertiles	s) <sup>5</sup> (censor	ed 2 poor, 1 inter	mediate, 2 go	ood; 2 missing	g)	
Poor (22.2-57.8)	60	24	16-39	0.71	0.50, 1.03	0.07
Intermediate (60.0-75.6)	68	18.5	11-36.5	0.88	0.62, 1.25	0.48
Good (77.8-97.8)	60	16.5	7-30	1	-	-

Total sample size n=195. Median duration of work absence relates to the 190 non-censored events.

<sup>&</sup>lt;sup>1.</sup> Adjusted for age and sex.

<sup>&</sup>lt;sup>2.</sup> Considered and the non-dominant hand for those who reported ambidexterity (n=4) and dominant hand for those undergoing simultaneous bilateral surgery (n=2).

<sup>&</sup>lt;sup>3.</sup> Adapted from the self-administered co-morbidity questionnaire [1].

<sup>&</sup>lt;sup>4</sup> Adapted from the four-dimensional symptom questionnaire [2].

<sup>&</sup>lt;sup>5.</sup> Taken from the SF-36 with data-driven tertiles [3].

### 2. Cox proportional hazards univariate analyses of the association between health beliefs and the duration of work absence after carpal tunnel release (non-significant findings)

		Median time	Inter	Hazards	95%	Р
	N	to return to	quartile	ratio <sup>1</sup>	Confidence	-
		work (days) range	range	Tatio	intervals	value
Believe will be unable to use har	nd normally i	n 3 months <sup>2</sup> (ce	nsored 5 no;	2 missing)		
No	168	20	12-32.5	1	-	-
Yes	20	20.5	14.5-40	1.04	0.65, 1.67	0.87
Blames self for hand problem <sup>2</sup> (	censored 5 n	o; 2 missing)				
No	162	20	12-35	1	-	-
Yes	26	22	14-31	1.08	0.70, 1.66	0.73
Lack of support from family/frie	nds <sup>2</sup> (censor	ed 4 no, 1 yes; 2	missing)			
No	156	20	12-32.5	1	-	-
Yes	32	19.5	13-40	0.88	0.60, 1.29	0.51
Problem runs in the family/born	with a weak	ness ³ (censored	3 no, 2 agree	e/strongly o	agree; 2 missin	g)
No	134	20	12-35	1	-	-
Agree/strongly agree	54	23	12-31	0.88	0.63, 1.21	0.42
Stress made the problem worse	<sup>3</sup> (censored 5	no; 2 missing)				
No	169	20	12-33	1	-	-
Agree/strongly agree	19	28	14-40	0.79	0.48, 1.28	0.33
Lack of exercise contributed to t	he problem <sup>3</sup>	(censored 5 no;	2 missing)			
No	172	20	13-33	1	-	-
Agree/strongly agree	16	15	10.5-34.5	1.23	0.73, 2.06	0.43
Getting older contributes to the	problem ³ (ce	ensored 3 no, 2 y	ves; 3 missing	1)		
No	79	26	14-42	1	-	-
Agree/strongly agree	108	16	10-29	1.28	0.94, 1.74	0.11
Work probably didn't cause the	problem, but	t made it worse <sup>a</sup>	censored 2	no, 3 yes; 4	! missing)	
No	100	20.5	12-35	1	-	-
Agree/strongly agree	86	19.5	13-31	1.01	0.75, 1.35	0.95
Pain catastrophisation to at leas	t a moderate	e degree <sup>4</sup> (censo	ored 3 no, 2 y	es; missing	2)	
No	133	19	10-33	1	-	-
Yes	55	22	15-31	0.81	0.59, 1.12	0.21

Total sample size n=195. Median duration of work absence relates to the 190 non-censored events.

<sup>&</sup>lt;sup>1.</sup> Adjusted for age and sex.

<sup>&</sup>lt;sup>2.</sup> Reported on a 0-10 scale and dichotomised to no (0-6) and yes (7-10) [4].

<sup>&</sup>lt;sup>3.</sup> Reported on a 5-point scale and dichotomised to agree/strongly agree and neither agree nor disagree/disagree/disagree strongly [5].

<sup>&</sup>lt;sup>4</sup> Pain catastrophizing scale dichotomised to those who reported catastrophising pain thoughts and feelings to at least a moderate degree in response to all questions and those who did not [6].

# 3. Cox proportional hazards univariate analyses of the association between clinical and surgical factors and the duration of work absence after carpal tunnel release (non-significant findings)

		Median time	Inter	Hazards	95%	P
	N	to return to	quartile	ratio <sup>1</sup>	Confidence intervals	value
		work (days)	range			
Katz hand diagram score for sid	e of surge	ry <sup>2</sup> (censored 3 clo	assics/probab	le, 2 possibl	e/unlikely; 4 m	issing)
Classic/probable	126	22	14-38	1	-	-
Possible/unlikely	60	16.5	9.5-30.5	1.10	0.81, 1.51	0.54
Duration of symptoms (censore	d 1 ≤ 1 yea	ır, 4 > 1 year; 2 mi	ssing)			
≤ 1 year	47	19	10-31	1	-	-
> 1 year	141	20	13-34	0.86	0.62, 1.21	0.38
Nerve conduction studies perfor	rmed (cens	ored 3 no, 2 yes; 4	10 missing)			
No	71	21	14-35	1	-	-
Yes	79	20	11-33	1.14	0.83, 1.58	0.41
Type of suture material (censore	ed 4 non-a	bsorbable; 49 mis	sing)			
Non-absorbable	119	21	12-38	1	-	-
Absorbable	23	20	13-29	1.15	0.73, 1.83	0.55
MHQ function score for side of s	surgery (te	rtiles) <sup>3</sup> (censored	3 poor, 1 inte	rmediate, 1	good; 2 missir	ng)
Poor (0-40)	79	20	13-41	0.80	0.57, 1.12	0.19
Intermediate (44-55)	48	19.5	13.5-33	0.81	0.55, 1.19	0.29
Good (60-100)	61	20	7-29	1	-	-
MHQ bilateral activities of daily	living scor	re (tertiles) <sup>3</sup> (cens	ored 1 poor, 4	l intermedia	te; 1 missing)	
Poor (0-61)	72	19	12.5-33.5	0.96	0.66, 1.38	0.81
Intermediate (64-82)	55	21	13-38	0.70	0.49, 1.01	0.06
Good (83-100)	62	20	10-31	1	-	-
MHQ activities of daily living sco	ore, side of	f surgery (tertiles)	<sup>3</sup> (censored 2	poor, 3 inte	rmediate; 1 mi	ssing)
Poor (0-55)	63	20	12-42	0.81	0.56, 1.18	0.27
Intermediate (58-80)	63	20	14-35	0.86	0.61, 1.23	0.42
Good (85-100)	63	20	9-32	1	-	-
MHQ satisfaction score for side	of surgery	(tertiles) <sup>3</sup> (censor	red 3 poor, 2 i	ntermediate	e; no missing d	ata)
Poor (0-25)	88	21.5	13-42	0.78	0.55, 1.11	0.16
Intermediate (29-50)	49	18	14-29	0.87	0.59, 1.28	0.48
Good (54-100)	53	20	9-31	1	-	-
Satisfaction with appearance fo	r side of si	uraerv <sup>4</sup> (censored	2 satisfied, 3	dissatisfied;	1 missing)	
	i siac oj sc					
Satisfied	136	20	10.5-31.5	1	-	-

Total sample size n=195. Median duration of work absence relates to the 190 non-censored events.

<sup>&</sup>lt;sup>1.</sup> Adjusted for age and sex.

<sup>&</sup>lt;sup>2.</sup> Adapted from Calfee et al. [7].

<sup>&</sup>lt;sup>3.</sup> Michigan Hand Questionnaire [8]. Data-driven tertiles.

<sup>&</sup>lt;sup>4.</sup> Reported on a 5-point scale in response to the statement: I am satisfied with the appearance (look) of my hand. Dichotomised as satisfied (strongly agree/agree) and dissatisfied (neither agree nor disagree, disagree, strongly disagree).

## 4. Cox proportional hazards univariate analyses of the association between occupational factors and the duration of work absence after carpal tunnel release (non-significant findings)

Confidence intervals -	
intervals -	
-	
-	
	-
0.34, 1.11	0.11
-	-
0.88, 1.79	0.21
0.72, 1.39	0.98
-	-
0.77, 2.14	0.34
-	-
0.61, 1.60	0.95
-	-
0.41, 1.09	0.10
-	-
0.67, 1.27	0.61
-	-
0.89, 1.61	0.24
-	-
0.44, 1.05	0.08
-	-
0.60, 1.32	0.56
-	-
0.88, 1.60	0.26
-	-
0.66, 1.32	0.70
-	-
	0.89, 1.61 - 0.44, 1.05 - 0.60, 1.32 - 0.88, 1.60

Total sample size n=195. Median duration of work absence relates to the 190 non-censored events.

<sup>&</sup>lt;sup>1.</sup> Adjusted for age and sex.

<sup>&</sup>lt;sup>2.</sup> Dichotomised by the median for the sample population

<sup>&</sup>lt;sup>3.</sup> As part of the normal working day [9].

#### References

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