


PROTOCOL FOR DOCUMENTATION OF HAND FUNCTION AFTER NERVE INJURY

From: Rosén B, Lundborg G. A model instrument for the documentation of outcome after nerve repair.

J Hand Surg 2000;25A:535-543

Patient example: Man 42 years old with median nerve repair at wrist

Score (scoring key: result / normal)

Domain	Instrument and quantification	Month	Score (scoring key: result / normal)							
			3	6	12	24	36	48	60	
Sensory Innervation 	Semmes-Weinstein Monofilament Result:0-15 0=not testable 1=filament 6.65 2=filament 4.56 3=filament 4.31 4=filament 3.61 5=filament 2.83 Normal median:15 Normal unlar:15		0.40	0.53	0.53	0.60	0.60	0.60	0.60	
	Tactile gnosis	s2PD (digit II el V) Result:0-3 0>=16 mm 1=11-15 mm 2=6-10 mm 3<5 mm Normal:3	0	0	0	0	0	0	0	
Dexterity	STI-test (digit II el V) Result:0-6 Normal:6		0	0	0	0.17	0.17	0.33	0.50	
	Sollerman test (task 4,8,10) Result:0-12 Normal:12		0.67	0.62	0.67	0.75	0.75	0.83	0.92	
Mean sensory domain:			0.27	0.29	0.30	0.38	0.38	0.44	0.51	

Motor Innervation	Manual muscle test 0-5 Median:palmarabd Ulnar: abd dig II, V add dig V Result medians:0-5 Result ulnar: 0-15 Normal median:5 Normal ulnar:15		0.40	0.60	0.80	0.80	1.0	1.0	1.0
	Grip strength	Jamar dynamometer Normal: Result Mean of 3 trials in second uninjured hand position, right and left	0.26	0.88	1.0	1.0	1.0	1.0	1.0
Mean motor domain:			0.33	0.74	0.90	0.90	1.0	1.0	1.0

Pain/discomfort Cold intolerance	Patienten's estimation of problem 0=Hinders function 1=Disturbing 2=Moderate 3=None/minor Result:0-3 Normal:3		0.67	0.33	0.33	0.33	0.33	0.33	0.33
	Hyperesthesi	As for cold intolerance	0.33	0.67	0.33	0.33	0.50	0.67	0.67
Mean pain/discomfort domain:			0.50	0.50	0.33	0.33	0.50	0.67	0.67

Total score: sensory + motor + pain/discomfort = **1.1 1.5 1.6 1.7 1.9 2.1 2.2**

