INTERNATIONAL SPINAL CORD INJURY UPPER EXTREMITY BASIC DATA SET FORM (Version 1.0)

Date performed: YYYY/M	IM/DD UPEXTRDT	
Evaluation of the RIGHT	and LEFT upper extremity s	eparately:
	p (part of the GRASSP test):	
No voluntary control of elbergrasping function; severely of the arm. 2. Passive tenodesis han Passive hand functions wite extrinsic and intrinsic hand extend the wrist. Opening possible by supination or perenodesis effect) with no as Bimanual grasping by stabor passive tenodesis grasp workspace. 3. Active tenodesis hand No voluntary control of extribut active wrist extension a fingers dependent on a tentanded grasping function in the Active extrinsic hand voluntary control of wrist a allowing for grasping with a active opening and closing and reduction of workspace. 5. Active extrinsic-intrinsic voluntary control of extrinsic full workspace and the abiling (e.g. power grip, precision)	th neither voluntary control of a muscles nor ability to actively and closing of the hand is only pronation of the forearm (passictive grasping movements of holizing objects between two has a seffective only in a limited allowing for passive movements allowing for passive movements and some extrinsic hand muscle in a restricted workspace. And some extrinsic hand muscle or without tenodesis enabling is gof the hand but reduced dexters.	or reaching of the arm. B. Severely limited but able to position hand on a desk, without assistance, but not able to reach to the mouth/head (gravity compromises the movements). C. Limited but able to reach mouth/head, with difficulty or altered movements, e.g. weak or absent pronation-supination or wrist flexion-extension. D. Full range of movement (ROM) o shoulder and independent reaching forward
	extremity function: (see	scription of the hand and
apper extremity function)	HANDBASR UPEXF	XNR
	xtremity function: (sele e corresponding to the best de	` ,
upper extremity function)	HANDBASL UPEXF	
	(all equipment like splints, a	• • • · ·

extremity function: **UEDEVICE**

 \square Not weekly, but one or more times monthly

☐Never or less than monthly

□Unknown

UERECNSG

2

□Yes □No If Yes, fill in below

Performed Upper Extremity/Hand Reconstructive Surgery

Check all that apply

					Yes / No / Unknow	n Date of su	ırgery
	Type of surgery Tendon transfer for elbow extension (right).			(yyyy/mm	n/dd)		
	Tendon transfer			nt)	☐Yes ☐No ☐Unknown	Ţ,	TTRELRDT
	T		RELEXR			<u> </u>	
	Tendon transfer		RELEXL		☐Yes ☐No ☐Unknown	,	TTRELLDT
	Tendon transfer				☐Yes ☐No ☐Unknown	_	
	Tondon transier		RWREXR		Teo Lite Lemmewi	Ľ	TTRWRRDT
	Tendon transfer	for wrist	extension (left)		☐Yes ☐No ☐Unknown	,	TTRWRLDT
			RWREXL			_	
Soft Tissue	Restoration of p			1	☐Yes ☐No ☐Unknown		RESPGRDT
Reconstruction			PIGRR				
	Restoration of p	1	or drasp (left) PIGRL	1	☐Yes ☐No ☐Unknown		RESPGLDT
	Tendon/muscle			(right)	☐Yes ☐No ☐Unknown	 	
	Tendon/maseic		ELENR		Tos Livo Lonknown		TDRELRDT
	Tendon/muscle	-1		(left)	☐Yes ☐No ☐Unknown		
			ELENL	Ì			TDRELLDT
	Other, specify:				☐Yes ☐No ☐Unknown		
	STROT	THER	STROT	THSP			STROTHDT
	Humerus (right)	OST	HUMER		□Yes □No □Unknown		
	Humerus (left) OSTHUMEL Radius (right)		J		,	OSTHURDT	
			☐Yes ☐No ☐Unknown		OSTHULDT		
					☐Yes ☐No ☐Unknown	_	OSTITUEEDI
	Radius (figrit)	OST	RADIR		Lifes Lino Lionkhown		OSTRARDT
	Radius (left)			1	☐Yes ☐No ☐Unknown	_	
	rtaalas (isti)	OST	RADIL				OSTRALDT
	Ulnar (right)	OCT	TIT NIA D	i	☐Yes ☐No ☐Unknown	-	
Osteotomy with or without		OST	ULNAR				OSTULRDT
rotation and or	Ulnar (left)	OCUL			□Yes □No □Unknown		
Arthrodesis	L	OSTU	JLNAL				OSTULLDT
	Wrist (right)	OCTI	VRISR		☐Yes ☐No ☐Unknown		OSTWRRDT
	L	USIV	VKISK				USTWKKDI
	Wrist (left)	Wrist (left) OSTWI]	☐Yes ☐No ☐Unknown		OSTWRLDT
	Fingers/Thumb		WRISE	<u> </u>	☐Yes ☐No ☐Unknown		OSTWIEDT
	Fingers/Thumb	(rigni)	OSTFINI	ΓR	Lifes Lino Lionkhown		OSTFIRDT
	Fingers/Thumb	(left)			☐Yes ☐No ☐Unknown	_	
		(,	OSTFINT	L			OSTFILDT
Implantable	specify.				☐Yes ☐No ☐Unknown	 	
FES	IMPLTF	ES	IMPFES	SP			IMPFESDT
Other	specify:				□Yes □No □Unknown		OTHERRE
	OTHER	(OTHERSP	·			OTHERDT

Proposed 8 Character				
Variables:				Table 1. Hand and Upper Extremity Function
				Basic hand-upper limb function
Data Element	Site	Subject	Date performed	Right
Data Element	Site	Subject	Date performed	Right
				1 No upper limb function at or below the elbow;
				2 Passive tenodesis hand;
				3 Active tenodesis hand;
				4 Active extrinsic hand;
Format/ Codes			YYYY/MM/DD	5 Active extrinsic-intrinsic hand
	CITE	CURIECT		
8 Character Variable	SITE	SUBJECT	UPEXTRDT	HANDBASR
Comments/Suggested				
Revisions	Key	Key		

Proposed 8 Character				
Variables:	Table 1. Hand and Upper Extremity Function (cont.)			
Data Element	Upper extremity function Right	Basic hand-upper limb function Left	Upper extremity function Left	Use of assistive devices
Format/ Codes 8 Character Variable Comments/Suggested Revisions	supination or wrist flexion-extension.;	1 No upper limb function at or below the elbow; 2 Passive tenodesis hand; 3 Active tenodesis hand; 4 Active extrinsic hand; 5 Active extrinsic-intrinsic hand HANDBASL	A No active placing or reaching of the arm.; B Severely limited but able to position hand on a desk, without assistance, but not able to reach to the mouth/head (gravity compromises the movements).; C Limited but able to reach mouth/head with difficulty or altered movements, e.g. weak or absent pronation-supination or wrist flexion-extension.; D Full range of movement (ROM) of shoulder and independent reaching forward and upward. UPEXFXNL	Never or less than monthly; Not weekly, but one or more times monthly;

Proposed 8 Character			Table 2. Performed Upper Extremity/Hand	
Variables:			Reconstructive Surgery	
	SCI-related complications to upper extremity		Soft tissue reconstruction: tendon transfer for	Soft tissue reconstruction: tendon transfer for
	function like pain, spasms, contractures, oedema,		elbow extension	elbow extension
Data Element	etc.	Upper extremity/hand reconstructive surgery	Right	Right - Date
	Minimal – no complications or complications have			
	minimal impact on function;			
	Moderate – complications have moderate impact			
	on function;	Yes;	Yes;	
	Extensive – complications have extensive impact	No;	No;	
Format/ Codes	on function	Unknown	Unknown	YYYY/MM/DD
8 Character Variable	UECOMPLI	UERECNSG	TTRELEXR	TTRELRDT
Comments/Suggested				
Revisions				

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Soft tissue reconstruction: tendon transfer for			
	elbow extension	elbow extension	wrist extension	wrist extension
Data Element	Left	Left - Date	Right	Right -Date
	Yes;		Yes;	
	No;		No;	
Format/ Codes	Unknown	YYYY/MM/DD	Unknown	YYYY/MM/DD
8 Character Variable	TTRELEXL	TTRELLDT	TTRWREXR	TTRWRRDT
Comments/Suggested				
Revisions				

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Soft tissue reconstruction: tendon transfer for	Soft tissue reconstruction: tendon transfer for	Soft tissue reconstruction: restoration of pinch	Soft tissue reconstruction: restoration of pinch
	wrist extension	wrist extension	and or grasp	and or grasp
Data Element	Left	Left - Date	Right	Right - Date
	Yes;		Yes;	
	No;		No;	
Format/ Codes	Unknown	YYYY/MM/DD	Unknown	YYYY/MM/DD
8 Character Variable	TTRWREXL	TTRWRLDT	RESPIGRR	RESPGRDT
Comments/Suggested				
Revisions				

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Soft tissue reconstruction: restoration of pinch	Soft tissue reconstruction: restoration of pinch	Soft tissue reconstruction: tendon/muscle	Soft tissue reconstruction: tendon/muscle
	and or grasp	and or grasp	releases or lengthenings	releases or lengthenings
Data Element	Left	Left - Date	Right	Right - Date
	Yes;		Yes;	
	No;		No;	
Format/ Codes	Unknown	YYYY/MM/DD	Unknown	YYYY/MM/DD
8 Character Variable	RESPIGRL	RESPGLDT	TDRELENR	TDRELRDT
Comments/Suggested				
Revisions				
	•	•	•	.

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Soft tissue reconstruction: tendon/muscle	Soft tissue reconstruction: tendon/muscle		
	releases or lengthenings	releases or lengthenings	Soft tissue reconstruction:	Soft tissue reconstruction:
Data Element	Left	Left - Date	Other	Other - Specify
	Yes;		Yes;	
	No;		No;	
Format/ Codes	Unknown	YYYY/MM/DD	Unknown	
8 Character Variable	TDRELENL	TDRELLDT	STROTHER	STROTHSP
Comments/Suggested				
Revisions				

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
		Osteotomy with or without rotation and or	Osteotomy with or without rotation and or	Osteotomy with or without rotation and or
	Soft tissue reconstruction:	arthrodesis: humerus	arthrodesis: humerus	arthrodesis: humerus
Data Element	Other - Date	Right	Right - Date	Left
		Yes;		Yes;
		No;		No;
Format/ Codes	YYYY/MM/DD	Unknown	YYYY/MM/DD	Unknown
8 Character Variable	STROTHDT	OSTHUMER	OSTHURDT	OSTHUMEL
Comments/Suggested				
Revisions				

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Osteotomy with or without rotation and or			
	arthrodesis: humerus	arthrodesis: radius	arthrodesis: radius	arthrodesis: radius
Data Element	Left - Date	Right	Right - Date	Left
		Yes;		Yes;
		No;		No;
Format/ Codes	YYYY/MM/DD	Unknown	YYYY/MM/DD	Unknown
8 Character Variable	OSTHULDT	OSTRADIR	OSTRARDT	OSTRADIL
Comments/Suggested				
Revisions				

tive Surgery (cont.) my with or without rotation and or arthrodesis: radius	Osteotomy with or without rotation and or arthrodesis: ulnar	Osteotomy with or without rotation and or	Osteotomy with or without rotation and or
arthrodesis: radius	*	*	Osteotomy with or without rotation and or
	arthrodesis: ulnar		
		arthrodesis: ulnar	arthrodesis: ulnar
Left - Date	Right	Right - Date	Left
	Yes;		Yes;
	No;		No;
DD	Unknown	YYYY/MM/DD	Unknown
	OSTULNAR	OSTULRDT	OSTULNAL
	DD	Yes; No; DD Unknown	Yes; No; Unknown YYYY/MM/DD

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Osteotomy with or without rotation and or			
	arthrodesis: ulnar	arthrodesis: wrist	arthrodesis: wrist	arthrodesis: wrist
Data Element	Left - Date	Right	Right - Date	Left
		Yes;		Yes;
		No;		No;
Format/ Codes	YYYY/MM/DD	Unknown	YYYY/MM/DD	Unknown
8 Character Variable	OSTULLDT	OSTWRISR	OSTWRRDT	OSTWRISL
Comments/Suggested				
Revisions				
ACVISIONS	1	<u> </u>	<u> </u>	

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
Variables:	Reconstructive Surgery (cont.)			
	Osteotomy with or without rotation and or			
	arthrodesis: wrist	arthrodesis: fingers/thumb	arthrodesis: fingers/thumb	arthrodesis: fingers/thumb
Data Element	Left - Date	Right	Right - Date	Left
		Yes;		Yes;
		No;		No;
Format/ Codes	YYYY/MM/DD	Unknown	YYYY/MM/DD	Unknown
8 Character Variable	OSTWRLDT	OSTFINTR	OSTFIRDT	OSTFINTL
Comments/Suggested				
Revisions				

Osteotomy with or without rotation and or arthrodesis: fingers/thumb Left - Date Marchaelement Marchaele	Proposed 8 Character	Table 2. Performed Upper Extremity/Hand			
arthrodesis: fingers/thumb Left - Date Implantable FES Specify Date Yes; No; Format/ Codes YYYY/MM/DD Unknown S Character Variable OSTFILDT Implantable FES Implantable FES Specify Date Yes Yes; No; No; Implantable FES Specify Date Implantable FES Specify Date Implantable FES Implantable FES Implantable FES Specify Date Implantable FES Implant	Variables:	Reconstructive Surgery (cont.)			
Data Element Left - Date Implantable FES Specify Date Yes; No; No; Format/ Codes YYYY/MM/DD Unknown S Character Variable OSTFILDT IMPLIFES IMPESSP IMPESSP IMPESSDT		Osteotomy with or without rotation and or			
Yes; No; Format/ Codes YYYY/MM/DD Unknown YYYY/MM/DD 8 Character Variable OSTFILDT IMPLTES IMPFESSP IMPFESDT		arthrodesis: fingers/thumb		Implantable FES	Implantable FES
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT	Data Element	Left - Date	Implantable FES	Specify	Date
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
No; VYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD IMPESSP IMPESSP IMPESDT					
Format/ Codes YYYY/MM/DD Unknown YYYY/MM/DD YYYY/MM/DD YYYY/MM/DD B Character Variable OSTFILDT IMPLIFES IMPRESSP IMPRESDT			Yes;		
8 Character Variable OSTFILDT IMPLTES IMPRESSP IMPRESDT			No;		
	Format/ Codes	YYYY/MM/DD	Unknown		YYYY/MM/DD
Commonda / Commonda /	8 Character Variable	OSTFILDT	IMPLTFES	IMPFESSP	IMPFESDT
Lomments/ suggested	Comments/Suggested				
Revisions	Revisions				

Proposed 8 Character	Table 2. Performed Upper Extremity/Hand		
Variables:	Reconstructive Surgery (cont.)		
Data Element	Other upper extremity/hand reconstructive surgery	Other upper extremity/hand reconstructive surgery Specify	Other upper extremity/hand reconstructive surgery Date
	Yes;		
	No;		
Format/ Codes	Unknown		YYYY/MM/DD
8 Character Variable	OTHER	OTHERSP	OTHERDT
Comments/Suggested			
Revisions			