## **Upper-Limb Protocol**

	Silence	Epis	odic	Long-lasting (120 sec +)		
Relaxation		# events	# of muscles	duration	# of muscles	

Qualitative	<b>Computer Generated</b>
Evaluation	Calculations

Reinforcement	Response		Repeatability over 3 trials					Magnitude			
	Present	once only	increasing	not changing	decreasing	# of muscles	Trial 1	Trial 2	Trial 3	Average	
Deep breath											
Neck Flexion											

Voluntary movements		Response Present	Magnitude	Similarity Index
Shoulder	Shrug			
Bilat elbow	Flex			
Bliat elbow	Ext			
Right ebow	Flex			
Night ebow	Ext			
Left elbow	Flex			
Left elbow	Ext			
Bilat wrist	Ext			
Bliat Wrist	Flex			
Right wrist	Ext			
Right Whist	Flex			
Left wrist	Ext			
Left Wilst	Flex			
Right	Grip			
Left	Grip			
Right	Opposition			
Left	Opposition			

Fast as Possible		Magnitude	Similarity index	Onset time	Termination time	antagonist burst presence
Right wrist	Ext					
Right Whist	Flex					
Loft which	Ext					
Left wrist	Flex					

Passive stretch		Туре		Repeatability over 3 trials			# of muscles	Magnitude				
Passive stretch		Stretch	Shortening	once only	increasing	not changing		# of muscles	Trial 1	Trial 2	Trial 3	Average

[Study Name/ID pre-filled]

**Brain Motor Control Assessment** 

Site Name:	
Subject ID:	

Right elbow	Flex						
Kigiit eibow	Ext						
Right wrist	Ext						
	Flex						
Left albow	Flex						
Left elbow	Ext						
Left wrist	Ext						
	Flex						

Comments

## **Trunk Protocol**

		Epis	odic	Long-lasting (120 sec +)		
Relaxation	Silence	# events	# of muscles	duration	# of muscles	
Relaxation						

Qualitative Evaluation	Computer
Evaluation	Generated Calculations
	Calculations

	Reinforcement	Response		Repeatabilit	y over 3 trials		# of muscles	Magnitude			
Reinforcement	Present	once only	increasing	not changing	decreasing	# Of Hiuscies	Trial 1	Trial 2	Trial 3	Average	
	Neck Flexion										

Voluntary movements		Response Present	Avg Max Pressure	Magnitude	Similarity Index
Shoulder	Shrug				
Cough					
Maximum	Inspiration				
IVIAAIIIIUIII	Expiration				
Bilat elbow	Flex				
Bliat elbow	Ext				
Right ebow	Flex				
Kigiit ebow	Ext				
Left elbow	Flex				
Left elbow	Ext				
Bilat Hip Knee	Ext				
ыат пр кнее	Flex				
Right Hip Knee	Ext				
right hip knee	Flex				
Loft Hin Knoo	Ext				
Left Hip Knee	Flex				

Passive stretch		Ту	/pe	Repeatability over 3 trials			# of muscles	Magnitude				
		Stretch	Shortening	once only	increasing	not changing	decreasing	# Of Illuscies	Trial 1	Trial 2	Trial 3	Average
Right shoulder	Abduction											
	/ ladaction											
Left shoulder	Abduction											
Left Shoulder	Adduction											
Right elbow	Flex											
Kigiit eibow	Ext											
Left elbow	Flex											
Left elbow	Ext											

	[Study Name/ID pre-tilled]	Subject ID:	
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omme	ents		

Brain Motor Control Assessment

Site Name: \_\_\_\_\_

## **Lower-Limb Protocol**

	<b></b>	Epis	odic	Long-lasting	g (120 sec +)
Relaxation	Silence	# events	# of muscles	duration	# of muscles

Qualitative	Computer
Evaluation	Generated
Lvaluation	Calculations

Reinforcement	Response	Repeatability over 3 trials				# of muscles	Magnitude			
Kennorcement	Present	once only	increasing	not changing	decreasing	# Of Illuscies	Trial 1	Trial 2	Trial 3	Average
Deep breath										
Neck Flexion										
Jendrassik										
Shoulder Shrug										

Voluntary movements		Response Present	Magnitude	Similarity Index
Bilat Hip and Knee	Flex			
bliat hip and knee	Ext			
Right Hip and Knee	Flex			
Right hip and knee	Ext			
Left Hip and Knee	Flex			
Left hip and knee	Ext			
Bilat Ankle	Dorsiflex			
Dildt Alikie	Plantar flex			
Right Ankle	Dorsiflex			
rigiit Alikie	Plantar flex			
Left Ankle	Dorsiflex			
Left Affikie	Plantar flex			

Fast as Possible		Magnitude	Similarity index	Onset time	Termination time	antagonist burst presence
Pight Anklo	Dorsiflex Plantar flex					
Night Alikie	Plantar flex					
Left Ankle	Dorsiflex					
Left Affile	Plantar flex					

Passive stretch		Туре			Repeatability over 3 trials				# of		Magnitude	
r assive stretch		Stretch	Shortening	once only	increasing	not changing	decreasing	muscles	Trial 1	Trial 2	Trial 3	Average
Right Hip and Knee	Flex											
Left Hip and Knee	Flex											
Left Hip and Knee	Ext											
Right Ankle	Dorsiflex											
Right Alikie	Plantar flex											
Left Ankle	Dorsiflex											
Left Affikie	Plantar flex											

Phasic Stretch (taps)	Response	After-
riiasic stretch (taps)	Present	discharge
Right Patellar		
Right Achilles		
Left Patellar		
Left Achilles		

Achilles Clonus	Present	Duration
Right		
Left		

Withdrawal from	Present	Repeatability over 3 trials (TA muscle)					Magnitude			
Plantar Stimulation	(TA muscle)	once only	increasing	not changing	decreasing	# of muscles	Trial 1	Trial 2	Trial 3	Average
Right										
Left										
Volitional Suppression	Present	Repe	atability over	3 trials (TA mu	ıscle)		Magnitude			
of Withdrawal	(TA muscle)	once only	increasing	not changing	decreasing	# of muscles	Trial 1	Trial 2	Trial 3	Average
Right										
Left										

[Study Name/ID pre-filled]	Brain Motor Control Assessment	Site Name: Subject ID:
Comments		