Each study table is to be used for one muscle nerve/site. If testing is done on multiple nerves/sites, copies should be made of the page needed to record all data.

## Motor Evoked Potentials

Date of Exam:

Table 1 Upper Limb Right Muscle Electrophysiology Test

| UPPER LIMB (Right) Muscle name | Latency #1 (ms) | Amplitude #1 (mV) | Latency  #2 (ms) | Amplitude  #2 (mV) | Latency  #3 (ms) | Amplitude  #3 (mV) | Latency average (ms) | Amplitude average  (mV) | Facilitation Y/N, type, e.g., force in % MVC | Coil location | Central Motor Conduction Time |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Muscle #1: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #2: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #3: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Comments: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |

Table 2 Upper Limb Left Muscle Electrophysiology Tests

| Upper LIMB (Left) Muscle name | Latency  #1 (ms) | Amplitude  #1 (mV) | Latency  #2 (ms) | Amplitude #2 (mV) | Latency (#3) (ms) | Amplitude (#3) (mV) | Latency average (ms) | Amplitude average (mV) | Facilitation Y/N | Coil location | Central Motor Conduction Time |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Muscle#1: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #2: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #3: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Comments: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |

Table 3 Lower Limb Right Muscle Electrophysiology Tests

| LOWER LIMB (Right) Muscle name | Latency  #1  (ms) | Amplitude  #1  (mV) | Latency  #2  (ms) | Amplitude #2  (mV) | Latency (#3)  (ms) | Amplitude (#3)  (mV) | Latency average (ms) | Amplitude average (mV) | Facilitation Y/N | Coil location | Central Motor Conduction Time |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Muscle#1: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #2: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #3: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Comments | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |

Table 4 Lower Limb Left Muscle Electrophysiology Tests

| LOWER LIMB (Left) Muscle name | Latency  #1  (ms) | Amplitude  #1  (mV) | Latency  #2  (ms) | Amplitude #2  (mV) | Latency (#3)  (ms) | Amplitude (#3)  (mV) | Latency average (ms) | Amplitude average (mV) | Facilitation Y/N | Coil location | Central Motor Conduction Time |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Muscle#1: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #2: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Muscle #3: | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Comments | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |

**Motor Evoked Potentials CRF Module Instructions**

## General Instructions

Important note: None of the data elements on this CRF Module are classified as Core (i.e., required for all SCI studies). The remaining data elements are classified as supplemental or exploratory (i.e., non Core) and should only be collected if the research team considers them appropriate for their study.

Please note that general SCI characteristics may be needed, such as lesion level, DOI, AIS, date of examination and birth date, body size may be needed

These instructions apply to transcranial magnetic stimulation of motor cortex to evoke Motor evoked potentials as an indicator of the integrity of central conduction.

SCI-Pediatric Specific Instructions:

The data elements on this CRF module are recommended as Supplemental as they are relevant and appropriate for pediatrics in current form.

## Specific Instructions

* Specify position of patient (seated/recumbent)
* Specify Type of stimulating electrode/coil, stimulator type
* Specify location of stimulating electrode with respect to a scalp reference
* Specify type of Reinforcement if required to evoke a response
* Responses should be recorded from different muscles innervated from different roots to enable localization of any conduction deficits
* Repeat each stimulation three times and calculate average
* Extended protocols may include recruitment curves (i.e., increasing stimulation strengths based on MT)
* Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.