## DTRs

Score from 0 – 4. (0 no response, always abnormal; 1+ slight but present response, may or may not be normal; 2+ brisk response, normal; 3+ very brisk response, may or may not be normal; 4+ a tap elicits a repeating reflex [clonus], always abnormal.

Table 1 DTR

| Reflex | Score |
| --- | --- |
| Jaw (Trigeminal: CN V) | 0  1+  2+  3+  4+ |
| Pectoralis (Ant. Thoracic: C5-T1) | 0  1+  2+  3+  4+ |
| Biceps (Musculocutaneous: C5-6) | 0  1+  2+  3+  4+ |
| Triceps (Radial: C7-8) | 0  1+  2+  3+  4+ |
| Brachioradialis (Radial: C5-6) | 0  1+  2+  3+  4+ |
| Finger Flexor (Median/Ulnar: C6-T1) | 0  1+  2+  3+  4+ |
| Patellar (Femoral: L2-4) | 0  1+  2+  3+  4+ |
| Adductor (Obturator: L2-4) | 0  1+  2+  3+  4+ |
| Hamstring (Sciatic/Tibial: L4-S2) | 0  1+  2+  3+  4+ |
| Achilles (Tibial: S1) | 0  1+  2+  3+  4+ |

## Superficial Reflexes

Denote the presence or absence of superficial reflex response. Specify R/L in abdominal tests.

Table 2 Superficial Reflexes

| Reflex | Response |
| --- | --- |
| Abdominal (Intercostal: T7-12) | No Response  Response R  Response L |
| Cremasteric (Ilioinguinal/Genitofemoral: L1-2) | No Response  Response |
| Plantar (Tibial: S1) | No Response  Response |
| Anal (Inf. Hemorrhoidal: S2-4) | No Response  Response |
| Bulbocavernosus (Pudendal: S3-4) | No Response  Response |

## Pyramidal/Frontal Release Signs

Denote the presence or absence of superficial reflex response. Specify R/L in bilateral tests.

Table 3 Pyramidal Frontal Release

| Reflex | Response |
| --- | --- |
| Glabellar | No Response  Response |
| Snout | No Response  Response |
| Sucking | No Response  Response |
| Hand grasp | No Response  Response R  Response L |
| Hoffman | No Response  Response R  Response L |
| Palmomental | No Response  Response R  Response L |
| Foot grasp | No Response  Response R  Response L |

## Autonomic Reflexes

Describe observed response. Indicate R/L lacrimation and upper/lower extremities in sweating.

Table 4 Autonomic Reflexes

| Reflex | Presence | Description |
| --- | --- | --- |
| Sweating  (over upper extremities and lower extremities) | Present UE  Present LE  Absent | Data to be entered |
| Lacrimation | Present R  Present L  Absent | Data to be entered |
| Axon Reflexes (Wheal and flare response to skin scratch) | Present  Absent | Data to be entered |
| R-R interval resp. variation | Present  Absent | Data to be entered |
| Valsalva Maneuver  (BP drop and rebound with breath holding) | Present  Absent | Data to be entered |
| Cold Pressor Test  (BP increase in response to hand immersion in ice water) | Present  Absent | Data to be entered |

## Instructions

*Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.*

Important note: None of the data elements included on this CRF are considered Core (i.e., strongly recommended for all studies to collect). One question is Supplemental – Highly Recommended (Valsalva maneuver). All the rest of the data elements are supplemental or exploratory and should be collected on clinical trials and only if the research team considers them appropriate for their study.