**Pain Interventions**

Surgical

\_ Ablative Surgery (RFA/Cryo)

\_ Dorsal Root Entry Zone Lesion (DREZ)

\_ Cordectomy/Cordotomy

\_ Myelotomy

\_ Shunting for Syringomyelia

\_ Other: \_\_\_\_\_\_\_\_\_\_

Other

\_ Physical Therapy

\_ TENS

\_ Relaxation Techniques

\_ Psychotherapy

\_ Nerve Blocks

\_ Spinal Cord Stimulator

\_ Intrathecal Infusion Pump

\_ Exercise

\_ Acupuncture

\_ Botox

\_ Ice/Heat

\_ Other: \_\_\_\_\_\_\_\_\_\_

**MQS III Medication Quantification Scale**

PLEASE LIST ALL MEDS - Use generic drug names

Medication 1

Drug (*generic* *name*)

Dosage (mg/day)

Detriment Weight (from Table 1)

Dosage Level (from Table 2)

MQS Score. *Calculated as detriment weight x Dosage level = MQS*

Time of last dose

Degree of Pain relief 0. No relief 1 2 3 4 5. Complete relief

Approximate Start Date (Month/Year)

Medication 2

Drug (*generic* *name*)

Dosage (mg/day)

Detriment Weight (from Table 1)

Dosage Level (from Table 2)

MQS Score. *Calculated as detriment weight x Dosage level = MQS*

Time of last dose

Degree of Pain relief 0. No relief 1 2 3 4 5. Complete relief

Approximate Start Date (Month/Year)

Medication 3

Drug (*generic* *name*)

Dosage (mg/day)

Detriment Weight (from Table 1)

Dosage Level (from Table 2)

MQS Score. *Calculated as detriment weight x Dosage level = MQS*

Time of last dose

Degree of Pain relief 0. No relief 1 2 3 4 5. Complete relief

Approximate Start Date (Month/Year)

*Continue listing medications, numbering them sequentially.* For **each** medication, list

Drug (*generic* *name*)

Dosage (mg/day)

Detriment Weight (from Table 1)

Dosage Level (from Table 2)

MQS Score. *Calculated as detriment weight x Dosage level = MQS*

Time of last dose

Degree of Pain relief 0. No relief 1 2 3 4 5. Complete relief

Approximate Start Date (Month/Year)

**Medication Quantification Scale-III (MQS-III) Total Score \_\_\_\_\_\_\_\_\_\_**

(add all the individual medication MQS scores)

Notes:

**Watch for the following recommend pain management of neuropathic pain:**

* **Tricyclic antidepressant:** Nortriptyline,Desipramine, (Amitriptyline, imipramine);
* **Dual reuptake inhibitors of serotonin & nor epi (SSNRIs**): Duloxetine, Venlafaxine;
* **Ca+Channel α2-δ ligands**: Gabapentin, Pregabalin;
* **Topical Lidocaine;**
* **Opioid agonists**: Morphine, Oxycocone, Methadone, Levorphanol, transdermal fentanyl;
* **Tramadol** (weak μ-opioid agonist that inhibits reuptake of norepi &serotonis);
* **Antiepileptic:** carbamazepine, lamotrigine, oxcarbazepine, topiramate, valproic acid;
* **Antidepressant meds**: bupropion, citalopram, paroxetine (fluoxetine-not effective) Mexiletine (lidocaine analogue)
N-methyl-D-aspartate receptor antagonist**s:** dextromethorphan, memantine; **Other:** topical capsaicin, cannabinoids

**Table 1.** Medication classes and detriment weights included in calculation of the MQS (Gallizi et al.)

Topical/transdermal anesthetics, capsaicin 1.1

Antidepressants: serotonin reuptake inhibitors 1.7

Antidepressants: other 1.9

Anticonvulsants: GABAergic 1.9

Antihypertensives 2.0

Antianxiety: miscellaneous 2.1

Muscle relaxants: nondependency producing 2.2

Acetaminophen 2.2

Cyclooxygenase-2 inhibitors 2.3

Antidepressants: tricyclics/tetracyclics 2.3

Analgesic: miscellaneous (i.e., tramadol) 2.3

Anticonvulsants: sodium channel blockers 2.8

Sedative hypnotics 3.1

Opioids: Schedule II 3.4

Nonsteroidal anti-inflammatories 3.4

Antipsychotics 3.6

Opioids: schedule IV 3.7

Opioids: schedule III 3.7

Muscle relaxants: dependency producing 3.8

Benzodiazepines 3.9

Steroids 4.4

Barbiturates 4.5

*Note: GABA = gabapentin-like compounds*

**Table 2**. Relative dosage scores for calculation of MQS (Gallizi et al.)

Score Dosage

1. Subtherapeutic dose or occasional use, PRN (as needed)
2. Lower 50% of the therapeutic dose range
3. Upper 50% of the therapeutic dose range
4. Supratherapeutic dose

Reference

Dworkin RH, O'Connor AB, Backonja M, et al. Pharmacologic management of neuropathic pain: evidence-based recommendations. Pain. 2007;132(3):237–251. doi:10.1016/j.pain.2007.08.033

Gallizi MA, Khazai RS, Gagnon CM, Bruehl S, & Harden RN. Use of a Medication Quantification Scale for

Comparison of Pain Medication Usage in Patients with Complex Regional Pain Syndrome (CRPS). Pain Medicine. 2015;16:495-500.