

Supplemental Information

APPENDIX 1 (see separate file available with the article online)

Withdrawal Assessment Tool (WAT-1)

Reprinted with permission from: Franck LS, Harris S, Soetenga D, Amling J, Curley M. The withdrawal assessment tool (WAT-1): Measuring iatrogenic withdrawal symptoms in pediatric critical care. *Pediatr Crit Care Med*. 2008;9(6):573–580

APPENDIX 2 Standardized Pharmacist Methadone Weaning Guidelines.

CALCULATION OF INITIAL DOSE OF METHADONE

Fentanyl dose (mcg/kg/hr) x weight (kg) x 0.08 (conversion factor) = _____ mg of methadone q6h

Morphine dose (mg/kg/hr) x weight (kg) x 1 (conversion factor) = _____ mg of methadone q6h

Hydromorphone (mcg/kg/hr) x weight (kg) x 5 (conversion factor) = _____ mg of methadone q6h

TRANSITION FROM OPIOID INFUSION TO SCHEDULED METHADONE

After 2nd dose of methadone, decrease opioid infusion by 50% of original infusion
After 3rd dose of methadone, decrease opioid infusion by 75% of original infusion
After 4th dose of methadone, discontinue opioid infusion.

LOW-RISK WEAN (opioid duration of \leq 15 days)

In setting of low risk opioid wean only and expected discharge within 48–72 hours post extubation, may attempt clonidine (opioid replacement) wean in clonidine section.

Enteral dosing (preferred)

Initial methadone dose _____ mg (dose from above x 1.3 for bioavailability of 70–80%)

Methadone _____ (initial dose x 1) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q12h x 4 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q24h x 2 doses

Discontinue methadone (Total wean 6 days)

Intravenous

Initial methadone dose _____ mg (dose from above x 1)

Methadone _____ (initial dose x 1) mg IV q6h x 8 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q12h x 4 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q24h x 2 doses

Discontinue methadone (Total wean 8 days)

MODERATE-RISK WEAN (opioid duration of 16–30 days)

Enteral dosing (preferred)

Initial methadone dose _____ mg (dose from above x 1.3 for bioavailability of 70–80%)

Methadone _____ (initial dose x 1) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.85) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.85) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.7) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.6) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.45) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.45) mg po/enteral tube q12h x 4 doses

Methadone _____ (initial dose x 0.3) mg po/enteral tube q12h x 4 doses

Methadone _____ (initial dose x 0.3) mg po/enteral tube q24h x 2 doses

Discontinue methadone (Total wean 16 days)

Intravenous dosing

Initial methadone dose _____ mg (dose from above x 1.3 for bioavailability of 70–80%)

Methadone _____ (initial dose x 1) mg IV q6h x 8 doses

Methadone _____ (initial dose x 1) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.85) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.85) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.7) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.6) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.45) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.45) mg po/enteral tube q12h x 4 doses

Methadone _____ (initial dose x 0.3) mg po/enteral tube q12h x 4 doses

Methadone _____ (initial dose x 0.3) mg po/enteral tube q24h x 2 doses

Discontinue methadone (Total wean 18 days)

HIGH-RISK WEAN (opioid duration \geq 31 days)

Enteral dosing (preferred)

Initial methadone dose _____ mg (dose from above x 1.3 for bioavailability of 70–80%)

Methadone _____ (initial dose x 1) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.9) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.8) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.7) mg po/enteral tube q6h x 8 doses

Methadone _____ (initial dose x 0.7) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.6) mg po/enteral tube q8h x 6 doses

Methadone _____ (initial dose x 0.5) mg po/enteral tube q8h x 6 doses	Intravenous dosing	Methadone _____ (initial dose x 0.6) mg po/enteral tube q8h x 6 doses
Methadone _____ (initial dose x 0.4) mg po/enteral tube q8h x 6 doses	Initial methadone dose _____ mg (dose from above x 1.3 for bioavailability of 70–80%)	Methadone _____ (initial dose x 0.5) mg po/enteral tube q8h x 6 doses
Methadone _____ (initial dose x 0.4) mg po/enteral tube q12h x 4 doses	Methadone _____ (initial dose x 1) mg IV q6h x 8 doses	Methadone _____ (initial dose x 0.4) mg po/enteral tube q8h x 6 doses
Methadone _____ (initial dose x 0.3) mg po/enteral tube q12h x 4 doses	Methadone _____ (initial dose x 0.9) mg IV q6h x 8 doses	Methadone _____ (initial dose x 0.4) mg po/enteral tube q12h x 4 doses
Methadone _____ (initial dose x 0.2) mg po/enteral tube q12h x 4 doses	Methadone _____ (initial dose x 0.8) mg IV q6h x 8 doses	Methadone _____ (initial dose x 0.3) mg po/enteral tube q12h x 4 doses
Methadone _____ (initial dose x 0.1) mg po/enteral tube q12h x 4 doses	Methadone _____ (initial dose x 0.7) mg IV q6h x 8 doses	Methadone _____ (initial dose x 0.2) mg po/enteral tube q12h x 4 doses
Methadone _____ (initial dose x 0.1) mg po/enteral tube q24h x 2 doses	Methadone _____ (initial dose x 0.7) mg po/enteral tube q6h x 8 doses	Methadone _____ (initial dose x 0.1) mg po/enteral tube q12h x 2 doses
Discontinue methadone (Total wean 24 days)	Methadone _____ (initial dose x 0.7) mg po/enteral tube q8h x 6 doses	Methadone _____ (initial dose x 0.1) mg po/enteral tube q24h x 2 doses
		Discontinue methadone (Total wean 26 days)