

	A06.3 - EMS WORK SCOPE (MEDICATIONS)	
	Version date: 2025-12-19	Effective date: 2026-01-06 (07:00)
EMR / PCP / ICP / ACP	ALL AGES	

* Additional training by ERS and verification of initial & ongoing competency is required to administer this medication.

MEDICATION	INDICATION	ROUTE	EMR	PCP	ICP	ACP
Acetaminophen	fever, pain	PO	Yes *	Yes	Yes	Yes
Acetylsalicylic acid	ACS	PO	Yes *	Yes	Yes	Yes
Adenosine	PSVT	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Amiodarone	cardiac arrest	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	chemical cardioversion	IO	No	No	No	Yes
		IV	No	No	No	Yes
	post electrical cardioversion	IO	No	No	No	Yes
		IV	No	No	No	Yes
	ROSC	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Atropine	bradycardia	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Benztropine	EPSE	IM	No	No	No	Yes
Calcium chloride	beta blocker / calcium channel blocker toxicity	IO	No	No	No	Yes
		IV	No	No	No	Yes
	hyperkalemia	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes

	magnesium toxicity	IO	No	Yes	Yes	Yes	
		IV	No	Yes	Yes	Yes	
Crystalloid solution	added electrolytes	IV	No	No	Yes	Yes	
	no added electrolytes	IV	No	Yes	Yes	Yes	
Dexamethasone	croup	IM / IV (IO)	No	No	No	Yes	
Dextrose	beta blocker / calcium channel blocker toxicity	IO	No	No	No	Yes	
		IV	No	No	No	Yes	
	hyperkalemia	IO	No	No	No	Yes	
		IV	No	No	No	Yes	
	hypoglycemia	IO	No	Yes	Yes	Yes	
		IV	No	Yes	Yes	Yes	
	newborn hypoglycemia	IO	No	Yes	Yes	Yes	
		IO infusion	No	No	No	Yes	
		IV	No	Yes	Yes	No	
		IV infusion	No	No	No	Yes	
	Diltiazem	Atrial fibrillation / flutter, PSVT	IO	No	No	No	Yes
			IV	No	No	No	Yes
Dimenhydrinate	nausea & vomiting	IM	No	Yes	Yes	Yes	
		IO	No	Yes	Yes	Yes	
		IV	No	Yes	Yes	Yes	
Enoxaparin	STEMI	IO	No	Yes	Yes	Yes	
		IV	No	Yes	Yes	Yes	
		SC	No	Yes	Yes	Yes	

Epinephrine	anaphylaxis, refractory anaphylaxis, anaphylactic shock	EpiPen	Yes *	Yes	Yes	Yes
		IM	No	Yes	Yes	Yes
		IO	No	No	No	Yes
		IV	No	No	No	Yes
	asthma, bronchospasm	IM	No	Yes	Yes	Yes
	beta blocker / calcium channel blocker toxicity	IO	No	No	No	Yes
		IV	No	No	No	Yes
	bradycardia	IO	No	No	No	Yes
		IV	No	No	No	Yes
	cardiac arrest	ET	No	No	No	Yes
		IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	croup	nebulizer	No	Yes	Yes	Yes
	newborn resuscitation	ET	No	No	No	Yes
		IV	No	No	No	Yes
		IO	No	No	No	Yes
push dose pressor support	IO	No	No	No	Yes *	
	IV	No	No	No	Yes *	
Esmolol	acute aortic syndrome	IO	No	No	No	Yes
		IV	No	No	No	Yes
	atrial fibrillation / flutter	IO	No	No	No	Yes
		IV	No	No	No	Yes
	hypertensive emergency	IO	No	No	No	Yes
		IV	No	No	No	Yes

Fentanyl	pain	IM	No	Yes	Yes	Yes
		IN	No	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	analgesia for procedure	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	procedural sedation & analgesia	IO	No	No	No	Yes
		IV	No	No	No	Yes
Furosemide	heart failure, acute cardiogenic pulmonary edema	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Glucagon	hypoglycemia	IM	No	Yes	Yes	Yes
		IN	Yes *	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
Glucose	hypoglycemia	PO	Yes *	Yes	Yes	Yes
Haloperidol	agitation, combative behavior	IM	No	No	Yes	Yes
		IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Hypertonic saline (3%)	cerebral herniation	IO	No	No	No	Yes *
		IV	No	No	No	Yes *
Hydralazine	severe hypertension in pregnancy	IO	No	No	No	Yes
		IV	No	No	No	Yes

Hydrocortisone	adrenal insufficiency	IO	No	Yes	Yes	Yes
		IV / IM	No	Yes	Yes	Yes
	anaphylaxis	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	asthma	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
Hydromorphone	pain	IV	No	No	No	Yes
		IO	No	No	No	Yes
		IV	No	No	No	Yes
		SC	No	No	No	Yes
Ibuprofen	fever, pain	PO	Yes *	Yes	Yes	Yes
Insulin	beta blocker / calcium channel blocker toxicity	IO	No	No	No	Yes
		IV	No	No	No	Yes
	hyperkalemia	IO	No	No	No	Yes
		IV	No	No	No	Yes
Ipratropium	asthma, COPD	inhaler	No	No	No	Yes
		nebulizer	No	No	No	Yes
Ketamine	advanced airway management	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	agitation	IM	No	No	No	Yes
		IO	No	No	No	Yes
		IV	No	No	No	Yes
	extrication without IV access	IN	No	Yes *	Yes	Yes
	pain	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	IO	No	No	No	Yes	

	procedural sedation & analgesia	IV	No	No	No	Yes
Ketorolac	pain	IM	No	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
Labetalol	acute ischemic stroke	IO	No	No	No	Yes
		IV	No	No	No	Yes
	hypertensive emergency	IO	No	No	No	Yes
		IV	No	No	No	Yes
	severe hypertension in pregnancy	IO	No	No	No	Yes
		IV	No	No	No	Yes
Levetiracetam	seizure, status epilepticus	IO	No	No	No	Yes
		IV	No	No	No	Yes
Lidocaine	cardiac arrest	ET	No	No	No	Yes
		IO	No	No	No	Yes
		IV	No	No	No	Yes
	intraosseous anesthesia	IO	No	No	Yes	Yes
	sodium channel blocker toxicity	IO	No	No	No	Yes
		IV	No	No	No	Yes
Lorazepam	anxiety, agitation	PO	No	Yes	Yes	Yes
Magnesium sulfate	cardiac arrest	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	preeclampsia & eclampsia	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	refractory asthma	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes

	torsade de pointe	IV	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Metoclopramide	nausea, vomiting	IM	No	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
Metoprolol	ACS	IO	No	No	No	Yes
		IV	No	No	No	Yes
	atrial fibrillation / flutter	IO	No	No	No	Yes
		IV	No	No	No	Yes
Midazolam	advanced airway maintenance	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	chemical restraint, alcohol / benzodiazepine withdrawal, stimulant toxicity	IM	No	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	procedural sedation & analgesia	IO	No	No	No	Yes
		IV	No	No	No	Yes
	sedation before procedure	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	seizures	IM	No	Yes	Yes	Yes
		IN	No	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	Morphine	pain	IV	No	No	Yes
IO			No	No	Yes	Yes
IM			No	No	Yes	Yes
Naloxone	opiate / opioid overdose	IM	No	Yes	Yes	Yes

		IN	Yes *	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
		SC	No	Yes	Yes	Yes
Nitroglycerin	acute coronary syndrome	IO	No	No	No	Yes
		IV	No	No	No	Yes
		sublingual	No	Yes	Yes	Yes
		topical	No	Yes	Yes	Yes
	acute cardiogenic pulmonary edema	IO	No	No	No	Yes
		IV	No	No	No	Yes
	uterine inversion	IO	No	No	No	Yes
		IV	No	No	No	Yes
Norepinephrine	shock	IO	No	No	No	Yes *
		IV	No	No	No	Yes *
Olanzapine	methamphetamine psychosis	PO	No	Yes	Yes	Yes
Ondansetron	nausea & vomiting	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
Oxytocin	PPH	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	routine postpartum prophylaxis	IM	No	Yes	Yes	Yes
		IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
Phenylephrine	push dose pressor support	IO	No	No	No	Yes *
		IV	No	No	No	Yes *
	shock	IO	No	No	No	Yes *

		IV	No	No	No	Yes *
Phenytoin	status epilepticus	IO	No	No	No	Yes
		IV	No	No	No	Yes
Salbutamol	asthma, COPD, anaphylaxis	inhaler	Yes *	Yes	Yes	Yes
		nebulizer	No	Yes	Yes	Yes
	hyperkalemia	inhaler	No	Yes	Yes	Yes
		nebulizer	No	Yes	Yes	Yes
Sodium bicarbonate	beta blocker toxicity	IO	No	No	No	Yes
		IV	No	No	No	Yes
	cardiac arrest due to TCA or cocaine	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	hyperkalemia	IV	No	No	Yes	Yes
	metabolic acidosis due to prolonged cardiac arrest	IO	No	No	Yes	Yes
		IV	No	No	Yes	Yes
	sodium channel blocker toxicity	IO	No	No	No	Yes
		IV	No	No	No	Yes
	Ticagrelor	STEMI	PO	No	Yes	Yes
Tranexamic acid	nontraumatic hemorrhage	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	PPH	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes
	traumatic hemorrhage	IO	No	Yes	Yes	Yes
		IV	No	Yes	Yes	Yes

NOTES

1. This document contains the ERS work scope for paramedics employed with the Provincial Emergency Medical Service (EMS) when providing primary response or interfacility transfer (IFT). The table above lists all medication alphabetically, while appendices A through D group them by work scope level. Document A06.1 outlines the rules of application for all ERS works scopes.
 - For the paramedics employed with the Adult Transport Team (ATT) work scope refer to A06.5.
 - For paramedics employed with the Community Paramedic Program (CPP) refer to A06.6.
1. ERS maintains the right to require additional training and verification of competency of any ERS paramedic to administer any medication.
2. A paramedic with the primary work scope may inject a medication into an intraosseous device / line established by another provider.

LINKS

- [A06.1 - ERS Work Scope Overview](#)
- [A06.5 - ATT Work Scope](#)
- [A06.6 - CPP Work Scope](#)

APPROVED BY



EMS Medical Director



EMS Associate Medical Director

VERSION CHANGES (refer to X01 for change tracking)

- Removal of diphenhydramine (no longer stocked on truck)
- Links to ATT & CPP work scopes added

APPENDIX A - BASIC WORK SCOPE		
MEDICATION	ROUTE	INDICATION
Acetaminophen *	PO	fever, pain
Acetylsalicylic acid *	PO	ACS
Epinephrine *	EpiPen	anaphylaxis
Glucagon *	IN	hypoglycemia
Glucose *	PO	hypoglycemia
Ibuprofen *	PO	fever, pain
Naloxone *	IN	opiate / opioid overdose
Salbutamol *	inhaler	asthma, COPD, anaphylaxis

APPENDIX B - PRIMARY WORK SCOPE		
MEDICATION	ROUTE	INDICATION
Acetaminophen	PO	fever, pain
Acetylsalicylic acid	PO	ACS
Calcium chloride	IV / IO	magnesium toxicity
Crystalloid solution	IV / IO	no added electrolytes
Dextrose	IV / IO (injection only)	hypoglycemia, newborn hypoglycemia
Dimenhydrinate	IM / IO / IV	nausea, vomiting
Enoxaparin	IO / IV / SC	STEMI
Epinephrine	EpiPen / IM	anaphylaxis, asthma, bronchospasm
	nebulizer	croup
Fentanyl	IM / IN / IO / IV	pain, analgesia for procedure
Glucagon	IM / IN / IO / IV	hypoglycemia
Glucose	PO	hypoglycemia
Hydrocortisone	IM / IO / IV	adrenal insufficiency, anaphylaxis, asthma

Ibuprofen	PO	fever, pain
Ketamine	IN	extrication without vascular access *
Ketorolac	IM / IO / IV	pain
Lorazepam	PO	anxiety, agitation
Magnesium sulfate	IO / IV	preeclampsia & eclampsia
Metoclopramide	IM / IO / IV	nausea, vomiting
Midazolam	IM / IO / IN / IV	advanced airway maintenance, chemical restraint, alcohol / benzodiazepines withdrawal, stimulant toxicity, seizure,
Naloxone	IM / IO / IN / IV / SC	opiate / opioid overdose
Nitroglycerin	sublingual / topical	ACS
Olanzapine	PO	methamphetamine psychosis
Oxytocin	IO / IV	PPH, routine postpartum prophylaxis
Salbutamol	inhaler / nebulizer	asthma, COPD, hyperkalemia, anaphylaxis
Ticagrelor	PO	STEMI
Tranexamic acid	IO ³ / IV	nontraumatic hemorrhage, PPH, traumatic hemorrhage

APPENDIX C - INTERMEDIATE WORK SCOPE

MEDICATION	ROUTE	INDICATION
Acetaminophen	PO	fever, pain
Acetylsalicylic acid	PO	ACS
Adenosine	IO / IV	PSVT
Amiodarone	IO / IV	cardiac arrest, ROSC
Atropine	IO, IV	bradycardia
Calcium chloride	IV	hyperkalemia, magnesium toxicity
Crystalloid solution	IV / IO	no added electrolytes
		added electrolytes

Dextrose	IO / IV (injection only)	hypoglycemia, newborn hypoglycemia
Dimenhydrinate	IM / IO / IV	nausea, vomiting
Enoxaparin	IO / IV / SC	STEMI
Epinephrine	EpiPen / IM	anaphylaxis, asthma, bronchospasm
	nebulizer	croup
	IO / IV	cardiopulmonary arrest
Fentanyl	IM / IN / IO / IV	pain
	IO / IV	analgesia for procedure
Furosemide	IO / IV	heart failure, acute cardiogenic pulmonary edema
Glucagon	IM / IN / IO / IV	hypoglycemia
Glucose	PO	hypoglycemia
Haloperidol	IM / IO / IV	agitation, combative behavior
Hydrocortisone	IM / IO / IV	adrenal insufficiency, anaphylaxis, asthma
Ibuprofen	PO	fever, pain
Ketamine	IM / IO / IN / IV	advanced airway management, extrication without vascular access, pain
Ketorolac	IM / IO / IV	pain
Lidocaine	IO	IO anesthesia
Lorazepam	PO	anxiety, withdrawal
Magnesium sulfate	IV / IO	cardiac arrest, preeclampsia & eclampsia; refractory asthma; torsade de pointe
Metoclopramide	IM / IV / IO	nausea, vomiting
Midazolam	IM / IN / IO / IV	advanced airway maintenance, chemical restraint, alcohol / benzodiazepines withdrawal, stimulant toxicity, sedation before procedure, seizure
Morphine	IM / IO / IV	pain
Naloxone	IM / IN / IO / IV / SC	opiate / opioid overdose
Nitroglycerin	sublingual / topical	ACS

Olanzapine	PO	methamphetamine psychosis
Ondansetron	IO / IV	nausea, vomiting
Oxytocin	IO / IV	PPH, routine postpartum prophylaxis
Salbutamol	inhaler / nebulizer	asthma, COPD, hyperkalemia, anaphylaxis
Sodium bicarbonate	IO / IV	cardiac arrest due to TCA or cocaine, hyperkalemia
Ticagrelor	PO	STEMI
Tranexamic acid	IV	nontraumatic hemorrhage, PPH, traumatic hemorrhage

APPENDIX D - ADVANCED WORK SCOPE

MEDICATION	ROUTE	INDICATION
Acetaminophen	PO	fever, pain
Acetylsalicylic acid	PO	ACS
Adenosine	IO / IV	PSVT
Amiodarone	IO / IV	cardiac arrest, chemical cardioversion, post electrical cardioversion, ROSC
Atropine	IO / IV	bradycardia
Benzatropine	IM	EPSE
Calcium chloride	IO / IV	beta blocker / calcium channel blocker toxicity, hyperkalemia, magnesium toxicity
Crystalloid solution	IV / IO	no added electrolytes
		added electrolytes
Dexamethasone	IM / IO / IV	croup
Dextrose	IO / IV (infusion)	newborn hypoglycemia
	IO / IV (injection)	beta blocker / calcium channel blocker toxicity, hyperkalemia, hypoglycemia, newborn hypoglycemia
Diltiazem	IO / IV	atrial fibrillation / flutter, PSVT
Dimenhydrinate	IM / IO / IV	nausea, vomiting

Enoxaparin	IO / IV / SC	STEMI
Epinephrine	EpiPen / IM	anaphylaxis, asthma, bronchospasm
	IO / IV	refractory anaphylaxis, anaphylactic shock, beta blocker / calcium channel blocker toxicity, bradycardia, cardiac arrest, newborn resuscitation, push dose pressor support *
	nebulizer	croup
Esmolol	IO / IV	acute aortic syndrome, atrial fibrillation / flutter, hypertensive emergency
Fentanyl	IM / IN / IO / IV	pain
	IO / IV	analgesia for procedure
	IO / IV	procedural sedation & analgesia
Furosemide	IO / IV	heart failure, acute cardiogenic pulmonary edema
Glucagon	IM / IN / IO / IV	hypoglycemia
Glucose	PO	hypoglycemia
Haloperidol	IM / IO / IV	agitation, combative behavior
Hydralazine	IO / IV	severe hypertension in pregnancy
Hydrocortisone	IM / IO / IV	adrenal insufficiency, anaphylaxis, asthma
Hydromorphone	IM / IO / IV	pain
Hypertonic saline (3%)	IO / IV	cerebral herniation *
Ibuprofen	PO	fever, pain
Insulin	IO / IV	beta blocker / calcium channel blocker toxicity, hyperkalemia
Ipratropium	inhaler / nebulizer	asthma, COPD
Ketamine	IM / IN / IO / IV	advanced airway management, extrication without vascular access, pain, procedural sedation & analgesia
Ketorolac	IM / IO / IV	pain
Labetalol	IO / IV	acute ischemic stroke, hypertensive emergency, severe hypertension in pregnancy
Levetiracetam	IO / IV	seizure, status epilepticus

Lidocaine	IO / IV	cardiac arrest, intraosseous anesthesia, sodium channel blocker toxicity
Lorazepam	PO	anxiety, agitation
Magnesium sulfate	IO / IV	cardiac arrest, preeclampsia & eclampsia, refractory asthma, torsade des pointes with pulse
Metoclopramide	IM / IO / IV	nausea, vomiting
Metoprolol	IM / IN / IO / IV	ACS, atrial fibrillation / flutter
Midazolam	IM / IN / IO / IV	advanced airway maintenance, chemical restraint, alcohol / benzodiazepine withdrawal, stimulant toxicity, sedation before procedure, procedural sedation and analgesia, seizures
Morphine	IM / IO / IV	pain
Naloxone	IM / IN / IO / IV / SC	opiate / opioid overdose
Nitroglycerin	IO / IV / sublingual / topical	ACS, acute cardiogenic pulmonary edema, uterine inversion
Norepinephrine	IO / IV	shock *
Olanzapine	PO	methamphetamine psychosis
Ondansetron	IO / IV	nausea, vomiting
Oxytocin	IO / IV	PPH, routine postpartum prophylaxis
Phenylephrine	IO / IV	push dose pressor support, shock *
Phenytoin	IO / IV	status epilepticus
Salbutamol	inhaler, nebulizer	asthma, COPD, hyperkalemia, anaphylaxis
Sodium bicarbonate	IO / IV	beta blocker toxicity, cardiac arrest due to TCA or cocaine, hyperkalemia, metabolic acidosis due to prolonged cardiac arrest, sodium channel blocker toxicity
Ticagrelor	PO	STEMI
Tranexamic acid	IO / IV	nontraumatic hemorrhage, PPH, traumatic hemorrhage