

2019 Pre-Hospital Standard Patient Care Treatment Protocols Modifications

#	Protocol	Title	Page	Line	Remarks
1	2.3	Cardiac Arrest – V-Fib / Pulseless V-Tach (Adult)	16	8	Added Lidocaine as an option along with Amiodarone based upon the focused changes made by the American Heart Association in November 2018.
2	2.3	Cardiac Arrest – V-Fib / Pulseless V-Tach (Adult)	16	Gray Box	Added Lidocaine IV/IO Doses: 1 st Dose: 1 – 1.5 mg/kg; 2 nd Dose: 0.5 – 0.75 mg/kg
3	2.3	Cardiac Arrest – V-Fib / Pulseless V-Tach (Adult)	17	Last Bullet	Removed “rapid” from the sentence concerning the Amiodarone infusion.
4	3.3	Cardiac Arrest – V-Fib / Pulseless V-Tach (Pediatric)	27	8	Added Lidocaine as an option along with Amiodarone based upon the focused changes made by the American Heart Association in November 2018.
5	3.3	Cardiac Arrest – V-Fib / Pulseless V-Tach (Pediatric)	27	Gray Box	Added Lidocaine IV/IO Doses: 1 st Dose: 1 mg/kg; 2 nd Dose: 0.5 mg/kg
6	4.3	Injury - Burns	37	10	Removed or Morphine 0.1 mg/kg IV due to Morphine Sulfate being on the shortage list and being removed from the Drug Boxes.
7	4.4	Medical – Chest Pain – Cardiac Suspected	41	13	Removed or Morphine 0.1 mg/kg IV due to Morphine Sulfate being on the shortage list and being removed from the Drug Boxes.
8	4.6	Environmental – Heat Exposure / Exhaustion	44	7	The phrase “altered mental status” was unitalicized to be consistent with the remainder of that sentence. 7a – “Do not” was unitalicized and bolded instead.
9	4.6	Environmental – Heat Exposure / Exhaustion	45	Key Points	3 rd Bullet – Added “changes in” to the last line of the sentence.
10	4.12	OB / GYN – Childbirth / Labor / Delivery	52	8	The last sentence was updated to read “Use caution to avoid any pressure on the fontanelle.”
11	4.16	General – Pain Control	60	11	Removed or Morphine 0.1 mg/kg IV due to Morphine Sulfate being on the shortage list and being removed from the Drug Boxes.
12	4.16	General – Pain Control	60	11	Added For mild to moderate pain control, give Toradol 30 mg IV or IM. Do not administer Toradol to patients under the age of 17 years.
13	4.16	General – Pain Control	60	12	Moved existing Line 11 to Line 12.
14	4.19	Medical – Respiratory Distress – Croup / Epiglottitis	65	9	Added 9. Establish an INT or IV of Normal Saline at KVO since we potentially could administer IV medications. Renumbered the other points after that sentence.
15	4.20	Medical – Pulmonary Edema / CHF	67	Key Points	5 th Bullet – Changed the sentence to be consistent with current practices of positive pressure ventilation.
16	4.21	Medical – Seizure	68	7	Changed give Diazepam 0.25 mg/kg up to 5 mg to give Midazolam 5 mg due to Diazepam (Valium) being on the shortage list and being removed from the Drug Boxes.
17	4.21	Medical – Seizure	68	8	Changed wording from 2 doses of Diazepam to 2 doses of Midazolam, contact [Medical Control] for further definitive treatment options. Deleted Subsection A as we do not carry enough Midazolam for a third dose.
18	4.21	Medical – Seizure	68	16	Changed give Diazepam 0.25 mg/kg up to 5 mg to give Midazolam 5 mg due to Diazepam (Valium) being on the shortage list and being removed from the Drug Boxes.
19	4.21	Medical – Seizure	69	Key Points	8 th Bullet – Deleted the word “Diazepam” from the sentence.

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20	4.25	Medical – ST Elevation Myocardial Infarction (STEMI)	76	7	Changed wording from consider application of defibrillation pads to a patient with an indicated myocardial infarction to apply defibrillation pads to a patient with an indicated myocardial infarction.
21	4.25	Medical – ST Elevation Myocardial Infarction (STEMI)	77	Key Points	8 th Bullet – Deleted the entire sentence “Refer to the Chest Pain (Non-Traumatic) protocol and contact Medical Control for additional Fentanyl and Morphine dosing for continuing chest pain since it contradicts other pain medication dosages.
22	4.27.2	Medical – Overdose / Poisoning / Toxic Ingestion – Alcohol Withdrawal	82	6	Changed give Diazepam 0.25 mg/kg up to 5 mg to give Midazolam 2.5 mg to 5 mg slow IV, due to Diazepam (Valium) being on the shortage list and being removed from the Drug Boxes.
23	4.27.9	Medical – Overdose / Poisoning / Toxic Ingestion – Stimulants	88	6	Changed give Diazepam 0.25 mg/kg up to 5 mg to give Midazolam 2.5 mg to 5 mg slow IV, due to Diazepam (Valium) being on the shortage list and being removed from the Drug Boxes. Removed Repeat dose in 5 minutes if seizure persists as it is duplicated.
24	4.28	Injury – Bleeding / Hemorrhage Control	90	8	Added “•” in the Advanced EMT (AEMT) column since the Governor’s EMS Advisory Board approved this drug administration at this level on November 7, 2018.
25	4.29	Injury – Crush Syndrome	92	8	Removed or Morphine 0.1 mg/kg IV due to Morphine Sulfate being on the shortage list and being removed from the Drug Boxes.
26	4.29	Injury – Crush Syndrome	92	9	Added “•” in the Advanced EMT (AEMT) column since the Governor’s EMS Advisory Board approved this drug administration at this level on November 7, 2018.
27	5.8	Gastric Decompression (Optional)	110	5	Changed “NG” to “OG” since the sentence is referring to Oral Gastric Tube sizing.
28	5.10	Intraosseous Insertion, EZ-IO	112	--	Changed “Availabe” to “Available” to correct the typographical spelling error.
29	5.10	Intraosseous Insertion, EZ-IO	115	12	Changed administration of Lidocaine 2% to reflect current recommendations from Teleflex, Incorporated (Vidacare LLC EZ-IO). The new language states “prime extension set with Lidocaine 2% (preservative free) and slowly administer 40 mg for adults, 0.5 mg/kg for children over 120 seconds. Allow Lidocaine 2% to dwell in IO space for 60 seconds. Flush with 10 mL Normal Saline for adults and 5 mL Normal Saline for children. Slowly administer an additional dose of Lidocaine 2% 20 mg for adults and half the initial dose for children. Consider systemic pain control for patients not responding to IO Lidocaine.
30	6.13	Epinephrine Infusion	149	--	250 mL bag of D5W will be added to the inventory to support the dosages listed in this formulary.
31	6.21	Ketorolac Tromethamine (Toradol)	157	Entire Page	New formulary added due to medication being added to the drug box.
32	6.22	Lidocaine (Xylocaine)	158	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
33	6.22	Lidocaine (Xylocaine)	158	Entire Page	Updated information on Lidocaine usage and administration based upon this drug being added to the Adult and Pediatric Cardiac Arrest Algorithms from the focused

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					changes made by the American Heart Association in November 2018.
34	6.22	Lidocaine (Xylocaine)	158	Entire Page	Updated information on Lidocaine usage and administration based up the current recommendations from Teleflex, Incorporated (Vidacare LLC EZ-IO).
35	6.23	Magnesium Sulfate	159	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
36	6.24	Metered Dose Inhaler	160	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
37	6.25	Methylprednisolone (Solu-Medrol)	161	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
38	6.26	Metoprolol (Lopressor)	162	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
39	6.27	Midazolam (Versed)	163	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
40	6.27	Midazolam (Versed)	163	--	Supply Section: Changed Vial containing 5 mg in 1 mL to Vial containing 5 mg in 5 mL based upon the current drug packaging (typographical error in previous document).
41	6.28	Morphine	164	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
42	6.29	Naloxone (Narcan)	165	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
43	6.30	Nitroglycerin (Nitrostat)	166 167	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
44	6.31	Nitroglycerin, Assisted (Nitrostat)	168	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
45	6.32	Ondansetron (Zofran)	169	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
46	6.33	Oral Glucose (Insta-Glucose)	170	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
47	6.34	Sodium Bicarbonate	171	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
48	6.35	Tranexamic Acid (Optional)	172	Entire Page	Renumbered to accommodate addition of Ketorolac Tromethamine (Toradol).
49	6.35	Tranexamic Acid (Optional)	172	Scope	Changed Advanced EMT (AEMT) color from red to green since the Governor's EMS Advisory Board approved this drug administration at this level on November 7, 2018.
50	Index	Index	193-195	All Pages	Index updated to reflect current page numbers for all listings.
51	References	References	196	Next To Last Bullet	Pre-Hospital Emergency Pharmacology, Eighth Edition, 2019 was utilized to update formularies.
52	References	References	196	Last Bullet	Highlights Of The 2018 Focused Updates To The American Heart Association Guidelines For CPR and ECC: Advanced Cardiovascular Life Support and Pediatric Advanced Life Support, American Heart Association. November 2018

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