



State of New Jersey

DEPARTMENT OF HEALTH
OFFICE OF EMERGENCY MEDICAL SERVICES
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CATHLEEN D. BENNETT
Commissioner

Certificate of Waiver
Advanced Life Support Services

Pursuant to the provision of the New Jersey Administrative Code, specifically N.J.A.C. 8:41-1.4, a waiver is issued to:
All New Jersey Mobile Intensive Care Programs

Granting specific relief waiving requirements from the following provision(s) of Chapter 41 of the New Jersey Administrative Code, specifically permitting Mobile Intensive Care programs to substitute Hydroxocobalamin (Cyanokit) as an equivalent of "Cyanide poisoning kit" (Amyl Nitrate, Sodium Nitrate, Sodium Thiosulfate).

SUBCHAPTER 6. ADMINISTRATION AND STORAGE OF MEDICATIONS

8:41-6.1 Medications and therapeutic agents

...(b) The following medications and therapeutic agents are approved for utilization by ALS crewmembers. A provider may choose to carry any of the following medications or therapeutic agents on its vehicles. A provider shall notify and keep OEMS up to date as to which of these medications and/or therapeutic agents are carried on its vehicles.
...6. Cyanide poisoning kit (prepackaged and sealed, to contain Amyl Nitrate, Sodium Nitrate, Sodium Thiosulfate and syringes);

SUBCHAPTER 7. LICENSURE, INSPECTIONS AND AUDITS

8:41-7.21 Standing orders for cyanide poisoning (optional, at medical director's discretion)

Justification:

- 1. The onset of effects from Hydroxocobalamin may be faster than that of Sodium Thiosulfate.
2. Treatment with Hydroxocobalamin involves fewer steps than the Cyanide Poisoning Kit.
3. The Australian Research Council recommended Hydroxocobalamin as the first-line treatment as a Class B recommendation (recommendations that might be beneficial and are acceptable to be used if considered appropriate in the relevant setting.) However, there are no comparative or placebo-controlled human trials evaluating treatment strategies for severe cyanide poisoning.

Equivalency: Cyanokit and the "Cyanide Poisoning Kit" are substantially equivalent products, however the Cyanokit is a simpler process and had more rapid onset.

Terms & Conditions: All clinical staff shall successfully complete an education program covering the indications, actions, route, dosage, and storage of the medication prior to it being carried on the Mobile Intensive Care Unit.

For: Cathleen D. Bennett, Commissioner

[Signature]

By: Scot Phelps, JD, MPH, Paramedic
Director, Office of Emergency Medical Services

Date issued: June 27th, 2017
Waiver Control Number: 17-8:41-6.1(b and c); 7.21(a)3ii(4 and 6)-028
Expiration date: Indefinite

Attachments:
Reade, Michael C., et. al... Review Article: Management of Cyanide Poisoning. Emergency Medicine Australasia. June 2012.
Meiller, Andrew and Heller, Cara. Acute Cyanide Poisoning: Hydroxocobalamin and Sodium Thiosulfate Treatments with Two Outcomes following One Exposure Event. Case Reports in Medicine Volume 2015 (2015), Article ID 217951. September 2015