



Oakland County Medical Control Authority
MEDICATION SECTION
MEDICATION SUBSTITUTION

Initial Date: 9/14/2023

Revised Date:

Section 9-2

9.2 Medication Substitution

Purpose:

This protocol allows for MCA to substitute medications during a time of shortage without having to enact emergency protocols within the MCA. This protocol does not replace or override any portion of the **9.3 Medication Shortage Procedure**. All procedures within that procedure must still be followed in regards to substitutions in concentration or medication.

Indications:

None of the medication options indicated in the MCA approved protocol are available.

Procedure:

1. Follow **9.3 Medication Shortage Procedure**.
2. Alternate concentrations are listed within this protocol for reference; these do not require a protocol change and are outlined in the **9.3 Medication Shortage Procedure**.
3. Notification and education of providers within the MCA should be done as soon as the substitution is known.
 - a. It is the responsibility of the MCA to distribute information on the shortages and substitutions to agencies for distribution to providers.
 - b. If a substitution is imminent, it is acceptable for an MCA to distribute information prior to the medication being substituted.
4. The MCA should notify the Division of EMS and Trauma if a substitution is suspected to last more than 60 days so that a more permanent protocol solution can be enacted.
5. All uses of substitute medications will be reviewed by PSRO for appropriateness.

Current Medication	Substitution
Amiodarone	Procainamide
Calcium Chloride	Calcium Gluconate
Diazepam	Lorazepam
Diphenhydramine	Famotidine Ranitidine Hydroxyzine
Fentanyl	Hydromorphone
Lidocaine	Procainamide
Midazolam	Lorazepam
Morphine	Hydromorphone
Ondansetron	Promethazine Compazine



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Protocol Source/Reference: Michigan 9.2 Medication Substitution; Version 7/28/23.