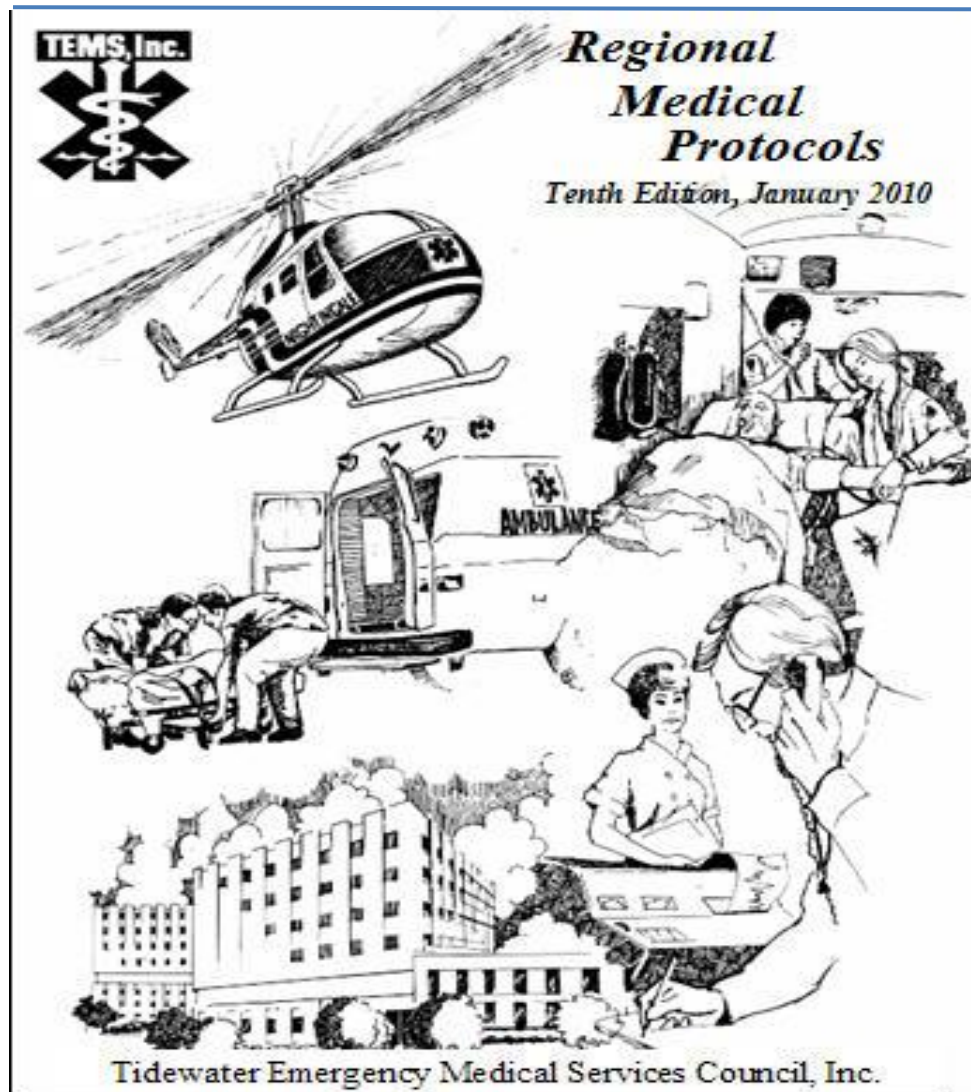




**Supplemental information slides for
new medications referenced in
TEMS Protocol tenth edition**

January 2010

2009-2010 Protocol Information Slides for the New Drugs



New Medications

- **Ativan (Lorazepam)**

- *A potent benzodiazepine anticonvulsant for seizures and seizures proximal to chemical exposure*

- ***Seizures, Chemical Exposure, Combative Patient***

New Medication - ATIVAN

- Dilute in an equal amount of NS for IV/IO administration
- **Dose 2 mg** SLOW IV push (over 2 minutes)
- May be administered IM if IV/IO access is not available. **Do not dilute if administering IM**
- May repeat with physician order up to max dose of 8 mg
- Action is potentiated in conjunction with Haldol
- Medical control may order 1 mg for post seizure patients to prevent further seizures
- Risk for respiratory depression and bradycardia, and should be administered with ECG and SpO2 monitoring.
- Inadvertent arterial injection may result in arteriospasm

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New Medications

- **Nitroglycerin TD paste**
 - *A vasodilator for decreasing the workload of the heart and thus the oxygen demand*
 - ***Chest Pain, AMI, ACS, Breathing Difficulty (CHF)***

New Medication - Nitroglycerin TD paste

- A new medication to the TEMS drug box, transdermal nitroglycerin is an alternative to SL tablets; it is, however, much slower onset but indicated if patients cannot tolerate tablets or if tablets are unable to relieve chest pain within 15 minutes
- Nitroglycerin works principally in chest pain to reduce total peripheral vascular resistance by vasodilation of the coronary vessels, and thus decrease the oxygen demand placed on an ischemic heart. The reduced demand presumably leads to reduced tissue infarct and better post-event outcome.

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New Medication - Nitroglycerin TD paste

- Do not administer if the patient has taken sexually enhancing medications (e.g., Viagra, Levitra, Cialis, Stiff Nights, RockHard Weekend) within the past **72 hours**.
- Used in conjunction with citrates and analogues of sildenafil may cause an unsafe, potentially intractable and fatal drop in blood pressure.
- Do not administer if the patient has non-cardiogenic related pulmonary edema.
- If using CPAP in breathing difficulty, use in conjunction and concurrently with SL tablets if appropriate.

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New Medications

- **Zofran (Ondansetron)**
 - *A serotonin antagonist antiemetic for nausea and vomiting*
 - ***Nausea/Vomiting***

New Medications- **ZOFRAN**

- A new medication to the TEMS box, it may be administered prophylactically when vomiting could produce an airway obstruction (for example, in backboarded patients) or for patient comfort when the patient is repeatedly vomiting
- Has little effect on motion sickness-related illness
- Dose slow IV push (over 2-5 minutes) or IM if IV is not available

New Medications- **ZOFRAN**

- Repeated doses generally are not effective; however, if the patient is still vomiting 20 minutes after the first dose, a repeat dose may be given
- Pregnancy category B; providers should consult medical control before administration
- Use caution in conjunction with Amiodarone and Haldol as prolonged Q-T intervals may increase risk of dysrhythmias

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Deleted Medication

- 30 mg vial epinephrine 1:1,000