



4501

Seizures

## Treatment Protocol

Last Reviewed: **October 4, 2022**Last Revised: **July 1, 2023**

## BLS Patient Management

- **Establish, maintain, and ensure:**
  - A. A patent and easily managed airway. Use manual maneuvers (head-tilt / chin-lift or jaw thrust), oropharyngeal suction and/or airway adjuncts (OPA / NPAs) as clinically indicated
  - B. Adequate respirations and tidal volume. Use a mouth-to-mask device or bag valve mask (BVM), when clinically indicated. Rescue ventilations via a BVM require the use of a manometer. Waveform / digital capnography is required when paramedics are present
  - C. Controlled bleeding. Use direct pressure and/or pressure dressing(s) and/or tourniquet(s) and/or hemostatic dressing(s), as clinically indicated
- **Oxygen**  
As clinically indicated. Titrate to maintain, or increase, SpO<sub>2</sub> to a minimum of 94%. A range of 88-92% is acceptable for patients with a history of COPD
- Position the patient as clinically indicated for safety, comfort, and to meet physiologic requirements
- Attach ECG leads to the patient when a paramedic is present
- Obtain and evaluate blood glucose
- Protect the patient from injury. Loosen restrictive clothing. Do not forcibly restrain. Preserve privacy

## ALS Patient Management

- Establish, maintain, and ensure peripheral IV and/or IO access for emergency stabilization, and/or as clinically indicated, in adult and pediatric patients  
  
Consider the need for additional sites as clinically indicated
- Interpret and continuously monitor ECG and vital signs
- **For continuous or recurrent tonic-clonic seizures unrelated to eclampsia**  
Adults:  
Midazolam 2.5 mg (0.5 mL) slow IV/IO push. **MAY REPEAT ONCE. ADDITIONAL ADMINISTRATIONS REQUIRE A BASE HOSPITAL ORDER (BHO).**  
  
**\*\*OR\*\***  
  
Midazolam 5 mg (1 mL) IM/IN. **MAY REPEAT ONCE. ADDITIONAL ADMINISTRATIONS REQUIRE A BASE HOSPITAL ORDER (BHO).**  
  
Pediatrics: Midazolam 0.1 mg / kg slow IV/IO push. **MAY REPEAT ONCE. ADDITIONAL ADMINISTRATIONS REQUIRE A BASE HOSPITAL ORDER (BHO).** For assistance with accurate dosing, refer to the REMSA PMDR or REMSA app.  
  
**\*\*OR\*\***  
  
Midazolam 0.2 mg / kg IM/IN. **MAY REPEAT ONCE. ADDITIONAL ADMINISTRATIONS REQUIRE A BASE HOSPITAL ORDER (BHO).** For assistance with accurate dosing, refer to the REMSA PMDR or REMSA app.

## Patient Disposition

- **CONTACT A SINGLE BASE HOSPITAL FOR ANY REFUSAL INVOLVING A NON-EMANCIPATED MINOR. THE REFUSAL MUST BE MADE BY THE PARENT, PARENTAL DESIGNEE, OR GUARDIAN.**