

HEMS MCA
System Protocol
Urban Search and Rescue Medical Response Team
Broad Spectrum Antibiotics

Date: 10/1/2024

Section: 12-11

USAR Medical Specialist Paramedic Only

Broad Spectrum Antibiotics

Purpose: Antibiotics will be used when there is a delayed scene time and prolong extrication of more than 1 hour.

1. Wounds that warrant antibiotic prophylaxis include:
 - a. Grossly contaminated wounds
 - b. Open fractures
 - c. Wounds with involvement of joint spaces, tendons or ligaments
 - d. Mammalian bites (broken skin, bones)
 - e. Partial/complete amputations
 - f. Mangled extremity
2. Obtain IV access per **Vascular Access and IV Therapy Procedure Protocol**.
3. Administer the following antibiotics
 - a. Ceftriaxone Slow IV Push: 2 gm diluted with 20 ml NS
 1. Adult: 2 gm (diluted) slow IVP 3-5 min
 2. Pediatrics >2 months of age:
 - a. Administer diluted dose according to MI MEDIC cards
 - b. If MI MEDIC cards are not available, administer 50 mg/kg (diluted) slow IVP 3-5 min (Maximum dose 2 gm)
 - b. Ceftriaxone Infusion: Diluted dose added to 100 mL NS bag.
 1. Adult: 2 gm (diluted) added to 100 mL NS bag. Infuse over 15-30 min.
 2. Pediatrics >7 years of age
 - a. Ceftriaxone infusion according to MI MEDIC cards
 - b. If MI MEDIC cards are not available, add 50 mg/kg (diluted) to 100 mL NS bag. Max dose 2 gm. Infuse over 15-30 min.