05-0810 – Pediatric Envenomation

Authority

Health and Safety Code Division 2.5, California Code of Regulations, Title 22, Division 9

Definition

Pediatric Envenomation

May present as a localized reaction with redness, pain and swelling at the site or a systemic reaction such as itchiness, flushing of skin, rash, urticaria, tachycardia, and anaphylaxis.

BLS Treatment

1. **OXYGEN**: as appropriate, goal to maintain SPO2 at least 94%, assist ventilations as necessary
2. **VITALS**: assess vitals frequently, every 5 minutes if hypotensive
3. **BLOOD SUGAR CHECK**: test blood sugar treat as appropriate
4. **CHECK TEMPERATURE**: assess temperature and keep the patients warm
5. Do not give patient anything to eat or drink, keep NPO
6. Keep the patient calm and limit activity
7. Note location of the wound and identify extent of redness or swelling mark it
8. Immobilize affected extremity. Remove distal jewelry. Assess circulation, sensitivity and motor function before and after immobilization
9. Mark affected area and track swelling every fifteen minutes
10. Allergic Reaction see EMT-B and EMT-OS protocols

Insect Bites and Stings

1. Assess wound, remove stinger by scraping with an edge of a stiff object such as a credit card edge
2. May use localized ice pack for pain and swelling. Do not apply ice directly to the skin

Black Widow Spider Bites

1. Localized signs and symptoms include immediate pain, redness and swelling at the injection site
2. Systemic signs and symptoms may include progressive muscle spasms, severe abdominal pain, N/V, sweating, seizures, paralysis, hypertension, diminished level of consciousness
3. Treat pain to the extent of the providers scope of practice

Snakebites

1. Do not transport a live snake, even if you think it's dead, do not touch. Pictures are good
2. Do not apply ice
3. Do not incise or attempt to suck the venom from the wound
4. Do not apply constricting band or tourniquet. If constricting band or tourniquet has been applied prior to arrival do not release
5. Pain, edema and discoloration may be present
6. Systemic signs and symptoms may be present including:
    a. Nausea/Vomiting, weakness, diaphoresis, chills, or dizziness
    b. Change in taste may be reported as a minty, rubbery, or metallic taste
    c. Tingling, numbness, and fasciculations in face

ALS Treatment

1. Cardiac monitor treat arrhythmias per protocol
2. Establish NS IV/IO, give 20ml/kg bolus or maximum single bolus of 250 ml bolus and repeat as indicated to maintain systolic blood pressure greater than 70 mmHg or (70 + (2 x age in years))
3. Persistent hypotension pediatric shock protocol
4. Pain management to the extent of the providers scope and see the appropriate pain management protocol
5. For allergic reaction see the appropriate BLS or ALS protocol
6. Consider ondansetron for nausea and/or vomiting