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| **BITES AND STINGS** |
| **BLS Treatment** |
| * Position of comfort.
* NPO.
* **Oxygen** as indicated.
* Remove the stinger or injection/biting mechanism if visible.
* Neutralize jellyfish stings with vinegar or baking soda paste if available at scene.
* Apply heat to stingray and sea urchin and other unidentified marine animal stings.
* Apply cooling measures on wound site for land animal/insect bite.
* May help patient administer their prescribed EpiPen autoinjector or equivalent product.
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| **ALS Treatment** |
| * IV/IO with **Normal Saline** TKO.
* If pain,administer **Morphine**
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| **Comments****LOCALIZED REACTION*** Puncture marks at injury site
* Rash, hives
* Localized erythema/edema/decreased pain or touch sensation

**SYSTEMIC REACTION**Any localized reaction with:* Respiratory distress, wheezing, stridor or tachypnea
* Hypotension, tachycardia
* Diaphoresis (out of proportion to air temperature)
* See Protocol 2.02 Allergic Reaction if signs or symptoms of an allergic reaction.
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| **ENVENOMATION** |
| **BLS Treatment** |
| * Position of comfort.
* NPO.
* Oxygen as indicated.
* Do not attempt to capture live snake/animal.
* Remove rings or other jewelry from affected extremity to prevent possible constriction due to edema.
* If extremity bite, immobilize the affected extremity.
* Minimize exertion of victim.
* Rapid transport of all suspected envenomation for medical evaluation.
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| **ALS Treatment** |
| * IV or IO of **Normal Saline** TKO.
* If SBP < 90 or signs of poor perfusion, **Normal Saline** fluid bolus.
* For pain, may administer: **Morphine Sulfate**
 |
| **Comments*** Do not use lymphatic constriction bands, tourniquets, electric shock, or alcohol.
* Do not incise envenomations.
* Do not use mouth suction or commercial extraction pumps (e.g. Sawyer extraction pump).
* Do not apply Ice.
* All “pet” snakes must be positively identified, if possible.
* Zoos and legal exotic snake collectors are required to have a supply of antivenin on hand for each type of snake in their care. If available, bring antivenin/container with patient to hospital.
* Bites from coral snakes, elapids related to cobras, usually do not present with early symptoms. All bites are considered envenomated.
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