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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. |
| **ALS Treatment** |
| * IV/IO with **Normal Saline** TKO. * If pain,administer **Morphine** |
| **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. |
| **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. |