### 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

<table>
<thead>
<tr>
<th>LOCALIZED REACTION</th>
<th>SYSTEMIC REACTION</th>
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<tbody>
<tr>
<td>Puncture marks at injury site</td>
<td>Any localized reaction with:</td>
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<tr>
<td>Rash, hives</td>
<td>• Respiratory distress, wheezing, stridor or tachypnea</td>
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<td>• Hypotension, tachycardia</td>
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<td>• Diaphoresis (out of proportion to air temperature)</td>
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<td>• See <strong>Protocol 2.02 Allergic Reaction</strong> if signs or symptoms of an allergic reaction.</td>
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### ENVENOMATION

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<thead>
<tr>
<th>BLS Treatment</th>
<th>ALS Treatment</th>
<th>Comments</th>
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</thead>
</table>
| • 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. | | • 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 |
| • Do not use lymphatic constriction bands, tourniquets, electric shock, or alcohol.  
• Do not incise envenomation.  
• 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. |