EMT Scenario: M002

Anaphylaxis
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DISPATCH

Call type: Dispatched to the local baseball fields for a male complaining of shortness of breath
Time and weather: 1045, clear and sunny

SCENE SIZE-UP

Scene safety: Safe
Required BSI: Standard Precautions
NOI: Difficulty Breathing
Number of patients: 1

PRIMARY ASSESSMENT

| Gen. Impression: Middle aged male sitting on a lawn mower holding his chest in obvious distress. |
| C/C: Shortness of breath, rapid heart rate |
| Age and sex: 38, male |
| Life-threats: Airway swelling |
| LOC: A&Ox3 |
| Airway: Currently patent |
| Breathing: Irregular due to anxiety, able to talk in full sentences, wheezing audible |
| Patient Priority: Critical |
| ALS: Appropriate, not required |

HISTORY TAKING AND SECONDARY ASSESSMENT

NOI/MOI: Patient was mowing the grass in the outfield when he believes a bee stung him.

SAMPLE/OPQRST

| S  Itching, difficulty breathing | O Minutes after being stung |
| A  Bees | P Progressively getting worse |
| M  Epi-pen in the glove box of vehicle | Q Itching chest and neck |
| P  Asthma with inhaler, anaphylaxis | R Towards throat |
| L  Breakfast this morning | S 4, getting worse |
| E  Mowing grass when he felt a sting | T Feels similar to last reaction |

DCAP-BTLS: (positive findings) Hives on chest and throat, welt on left shoulder with stinger
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**Baseline V/S**

<table>
<thead>
<tr>
<th>LOC</th>
<th>A&amp;Ox3</th>
<th>B/P</th>
<th>110/70</th>
</tr>
</thead>
<tbody>
<tr>
<td>RR</td>
<td>22</td>
<td>H/R</td>
<td>114, rapid</td>
</tr>
<tr>
<td>PUPILS</td>
<td>PEARL</td>
<td>Monitor</td>
<td>92%, Accucheck:100mg/dl</td>
</tr>
</tbody>
</table>

**TREATMENT**

1. Place patient in position of comfort  
2. Administer oxygen  
3. Administer epi-pen  
4. Rapid transportation to ED  
5. Remove lodged stinger

**REASSESSMENT**

<table>
<thead>
<tr>
<th>With Treatment</th>
<th>Without Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOC- A&amp;Ox3</td>
<td>LOC-A&amp;Ox3</td>
</tr>
<tr>
<td>RR- 24</td>
<td>RR- 28, stridor</td>
</tr>
<tr>
<td>B/P- 132/94</td>
<td>B/P- 90/62</td>
</tr>
<tr>
<td>HR- 130 strong</td>
<td>HR- 142</td>
</tr>
<tr>
<td>Pupils- PEARL</td>
<td>Pupils-PEARL, sluggish</td>
</tr>
</tbody>
</table>

**Critical Criteria**

Failure criteria: (example)

1) Failure to use standard precautions when administering medication  
2) Failure to ultimately provide high-flow oxygen  
3) Failure to administer epi-pen  
4) Failure to recognize need for rapid transportation
## EMT Scenario: M002

<table>
<thead>
<tr>
<th>ID</th>
<th>Competency</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.1</td>
<td>Must demonstrate the ability to select, don, remove and discard PPE</td>
</tr>
<tr>
<td>P.4</td>
<td>Must demonstrate the ability to assess a patient for breathing difficulty</td>
</tr>
<tr>
<td>P.5</td>
<td>Must demonstrate the ability to acquire a pulse providing rate, rhythm, strength</td>
</tr>
<tr>
<td>P.6</td>
<td>Must demonstrate the ability to assess the skin color, temp, condition</td>
</tr>
<tr>
<td>P.8</td>
<td>Must demonstrate the ability to assess the pupils for reactivity, equality, size</td>
</tr>
<tr>
<td>P.9</td>
<td>Must demonstrate the ability to obtain a blood pressure</td>
</tr>
<tr>
<td>P.10</td>
<td>Must demonstrate ability to obtain a SAMPLE history</td>
</tr>
<tr>
<td>A.11</td>
<td>Correctly operate O2 tanks and regulator</td>
</tr>
<tr>
<td>A.12</td>
<td>Demonstrate use of non-rebreather and adjust flow rates as appropriate</td>
</tr>
<tr>
<td>PA.1</td>
<td>While reviewing scenes identify potential hazards</td>
</tr>
<tr>
<td>PA.2</td>
<td>Demonstrate the techniques for assessing mental status</td>
</tr>
<tr>
<td>PA.3</td>
<td>Demonstrate techniques for assessing the airway</td>
</tr>
<tr>
<td>PA.4</td>
<td>Demonstrate techniques for assessing if a patient is breathing</td>
</tr>
<tr>
<td>PA.5</td>
<td>Demonstrate techniques for assessing if a patient has a pulse</td>
</tr>
<tr>
<td>PA.7</td>
<td>Demonstrate techniques for assessing pt skin, color, temp and condition</td>
</tr>
<tr>
<td>PA.8</td>
<td>Demonstrate the ability to prioritize patient</td>
</tr>
<tr>
<td>M.1</td>
<td>Demonstrates general steps for assisting pt. with self administration of meds</td>
</tr>
<tr>
<td>M.2</td>
<td>Read labels and inspect each type of med</td>
</tr>
<tr>
<td>M.17</td>
<td>Demonstrate care for patient with allergic reaction</td>
</tr>
<tr>
<td>M.18</td>
<td>Demonstrate use of Epi-pen</td>
</tr>
<tr>
<td>M.19</td>
<td>Assessment/documentation of pt. in response to epi-pen</td>
</tr>
<tr>
<td>M.20</td>
<td>Demonstrate proper disposal of equipment</td>
</tr>
<tr>
<td>M.21</td>
<td>Demonstrate completion of PPCR for pt. in allergic reaction</td>
</tr>
</tbody>
</table>

**Competencies are based on the full scenario.**

**Apply only those competencies performed by the student.**
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Discussion Questions

- Describe the body processes at work in anaphylaxis. What causes it?
- How can you distinguish between a mild, moderate and severe reaction?
- What is epinephrine and what does it do to help a patient in anaphylaxis?
- What are the side effects of epinephrine?
- What are the benefits of involving an ALS provider in this scene?