



# EMT Scenario: M002

Anaphylaxis

## 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

<p><b>Gen. Impression:</b> Middle aged male sitting on a lawn mower holding his chest in obvious distress.  <b>C/C:</b> Shortness of breath, rapid heart rate  <b>Age and sex:</b> 38, male  <b>Life-threats:</b> Airway swelling</p>	<p><b>LOC:</b> A&amp;Ox3  <b>Airway:</b> Currently patent  <b>Breathing:</b> Irregular due to anxiety, able to talk in full sentences, wheezing audible</p>
<p><b>Circulation:</b>                  Pulses: Present, rapid, thready                  Skin: Pale, cool, clammy                  Bleeds: None</p>	<p><b>Patient Priority:</b> Critical   <b>ALS:</b> Appropriate, not required</p>

## HISTORY TAKING AND SECONDARY ASSESSMENT

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

### SAMPLE/OPQRST

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

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



**Baseline V/S**

<b>LOC</b> A&Ox3	<b>B/P</b> 110/70
<b>RR</b> 22	<b>H/R</b> 114, rapid
<b>PUPILS</b> PEARL	<b>Monitor:</b> 92%, Accucheck:100mg/dl

**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**

With Treatment	Without Treatment
LOC- A&Ox3	LOC-A&Ox3
RR- 24	RR- 28, stridor
B/P- 132/94	B/P- 90/62
HR- 130 strong	HR- 142
Pupils- PEARL	Pupils-PEARL, sluggish

**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



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

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

\*\*Apply only those competencies performed by the student.



## 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?

