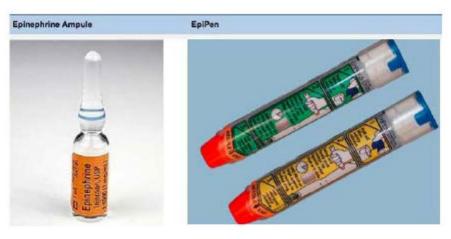
Comparison of EpiPen® Epinephrine Administration

vs Syringe/Ampule fo



| Please answer the following questions. | |
|---|---|
| Have you ever ordered, administered, or recommended epinephrine to treat an allergic reaction or anaphylaxis in the emergency department? | ☐ Yes ☐ No |
| Which formulations have you used? (Check all that apply.) | □ EpiPen® or EpiPen Jr® □ IM epinephrine with syringe □ Subcutaneous epinephrine □ IV epinephrine BOLUS □ IV epinephrine INFUSION |

For each of the following questions, compare administration using an EpiPen or EpiPen Jr versus the syringe/ampule (1:1000) method for the treatment of an acute allergic reaction or anaphylaxis in the emergency department. Assume all doses are intramuscular (IM). How EASY is it TO USE each of the following?

EpiPen or EpiPen Jr

Very Difficult Very Easy

(Place a mark on the scale above)

Syringe/Ampule

Very Difficult Very Easy

(Place a mark on the scale above)

How CONVENIENT is it to use each of the following?

EpiPen or EpiPen Jr

Very Inconvenient

(Place a mark on the scale above)

Syringe/Ampule

Very Inconvenient Very Convenient

(Place a mark on the scale above)

| How SATISFIED WITH WEIGHT-BASED DOSING are you with each of the following? | | |
|--|--|---|
| EpiPen or EpiPen Jr | | |
| Very Dissatisfied | Very Satisfied | |
| | | |
| | (Place a mark on the scale above) | |
| Syringe/Ampule | | |
| Very Dissatisfied | Very Satisfied | |
| | (Place a mark on the scale above) | |
| | (, , , , , , , , , , , , , , , , , , , | |
| What is the RISK OF D | OOSING ERRORS with eac | h of the following? |
| What is the NISK Of L | OSING LINIONS WITH EAC | n of the following: |
| EpiPen or EpiPen Jr | | |
| Very Low Risk | Very High Risk | |
| | (Place a mark on the scale above) | |
| | | |
| Syringe/Ampule | | |
| Very Low Risk | Very High Risk | |
| | (Place a mark on the scale above) | |
| | (Flade a main on the oddie above) | |
| What is the COST TO | THE DATIENT for each of | the following? |
| What is the COST TO | THE PATIENT for each of t | the following? |
| EpiPen or EpiPen Jr | | |
| Very Inexpensive | Very Expensive | |
| | (Place a mark on the scale above) | |
| | , | |
| Syringe/Ampule | | |
| Very Inexpensive | Very Expensive | |
| | | |
| | (Place a mark on the scale above) | |
| | | |
| What is the SPEED of | ADMINISTRATION after th | e order is placed with each of the following? |
| EpiPen or EpiPen Jr | | |
| Very Slow | Very Fast | |
| - | (Place a mark on the scale above) | |
| | (Flace a main on the scale above) | |
| Syringe/Ampule | | |
| Very Slow | Very Fast | |
| | | |
| | (Place a mark on the scale above) | |
| | | |



| What is the RISK OF SERIOUS MEDICATION SIDE EFFECTS (arrhythmia, cardiac ischemia, stroke, | | |
|---|-----------------------------------|---|
| other) with each of th | e following? | |
| - in | | |
| EpiPen or EpiPen Jr | | |
| Very Low Risk | Very High Risk | |
| | (Place a mark on the scale above) | |
| Syringe/Ampule | | |
| Very Low Risk | Very High Risk | |
| | (Place a mark on the scale above) | |
| | | |
| What is the RISK OF | SELF INJURY with each of the fo | ollowing? |
| | | |
| EpiPen or EpiPen Jr | | |
| Very Low Risk | Very High Risk | |
| | (Place a mark on the scale above) | |
| Syringe/Ampule | | |
| | | |
| Very Low Risk | Very High Risk | |
| | (Place a mark on the scale above) | |
| | | |
| What would you esting | nate TRAINING TIME required fo | r a healthcare provider to safely administer |
| epinephrine for each | of the following? | |
| EpiPen or EpiPen Jr | | ☐ Less than 5 minutes |
| Epireli oi Epireli oi | | ☐ 5-10 minutes |
| | | ☐ 10-20 minutes ☐ 20-30 minutes |
| | | ☐ More than 30 minutes |
| Syringe/Ampule | | ☐ Less than 5 minutes |
| ,g | | ☐ 5-10 minutes |
| | | ☐ 10-20 minutes ☐ 20-30 minutes |
| | | ☐ More than 30 minutes |
| | | _ |
| When considering all | of the differences between the F | EniDen or EniDen Ir and the syringe/amnule |
| When considering all of the differences between the EpiPen or EpiPen Jr and the syringe/ampule method, what is your OVERALL PREFERENCE? | | |
| - | | |
| Overall preference | | ☐ Highly prefer EpiPen or EpiPen Jr |
| | | ☐ Somewhat prefer EpiPen or EpiPen Jr☐ No preference |
| | | Somewhat prefer Syringe/Ampule |
| | | ☐ Highly prefer Syringe/Ampule |



| For the next questions, consider your personal exper | iences with administration of epinephrine for |
|--|--|
| anaphylaxis or allergic reactions in the | ED during approximately the last 3 |
| years. | |
| In the last 3 years, have you personally suffered an injury while administering an EpiPen or EpiPen Jr in the ED? Please describe injury. | ☐ No ☐ Yes, finger stick injury ☐ Yes, other injury |
| In the last 3 years, have you personally suffered an injury while administering epinephrine via the syringe/ampule method in the ED? Please describe injury. | No Yes, finger stick injury Yes, other injury |
| In the past 3 years, have you cared for a patient who had a serious ADVERSE SIDE EFFECT from epinephrine (arrhythmia, cardiac ischemia, stroke, other) when you ordered or administered epinephrine for an allergic reaction or anaphylaxis in the ED? | No Yes (You will be given the opportunity to answer questions for more than one patient below, if needed.) |
| For this patient, what was the adverse effect? (Check all that apply.) | □ arrhythmia (other than sinus tachycardia) □ cardiac ischemia □ stroke or TIA (transient ischemic attack) □ other |
| Please specify the adverse effect. | |
| For this patient, with which formulation of | □ EpiPen or EpiPen Jr |
| epinephrine did the adverse effect occur? | IM epinephrine with syringe Subcutaneous epinephrine BOLUS IV epinephrine IV epinephrine INFUSION Unsure |
| For this patient, was the adverse effect associated with an INCORRECT DOSE of epinephrine? | ☐ Yes ☐ No |
| For this patient who received the incorrect dose of epinephrine, how did the incorrect dosing occur? | □ Wrong FORMULATION used (1:1000 instead of 1:10,000 or vice versa) □ Wrong AMOUNT was given (mg or ml) □ Wrong FORMULATION and AMOUNT □ Wrong ROUTE was used (Subcutaneous,IM, IV) □ BOLUS was given instead of INFUSION □ Other |



| Have you cared for any additional patients who had an ADVERSE EFFECT from epinephrine administered in the ED for an allergic reaction or anaphylaxis? | ☐ Yes ☐ No |
|---|--|
| For the second patient, what was the adverse effect? (Check all that apply.) | □ arrhythmia (other than sinus tachycardia) □ cardiac ischemia □ stroke or TIA (transient ischemic attack) □ other |
| Please specify the adverse effect. | |
| | |
| For the second patient, with which formulation of epinephrine did the adverse effect occur? | □ EpiPen or EpiPen Jr □ IM epinephrine with syringe □ Subcutaneous epinephrine □ BOLUS IV epinephrine □ IV epinephrine INFUSION □ Unsure |
| For the second patient, was the adverse effect associated with an INCORRECT DOSE of epinephrine? | ☐ Yes ☐ No |
| For the second patient, how did the incorrect dosing of epinephrine occur? | Wrong FORMULATION used (1:1000 instead of 1:10,000 or vice versa) Wrong AMOUNT was given (mg or ml) Wrong FORMULATION and AMOUNT Wrong ROUTE was used (Subcutaneous,IM, IV) BOLUS was given instead of INFUSION Other |
| For the second patient, please briefly explain how the incorrect dosing of epinephrine occurred. | |
| | |
| Have you cared for any additional patients who had an ADVERSE EFFECT from epinephrine administered in the ED for an allergic reaction or anaphylaxis? | ☐ Yes ☐ No |
| For the third patient, what was the adverse effect? (Check all that apply.) | □ arrhythmia (other than sinus tachycardia) □ cardiac ischemia □ stroke or TIA (transient ischemic attack) □ other |
| Please specify the adverse effect. | |

For this patient, please briefly explain how the incorrect dosing occurred.



| For the third patient, with which formulation of epinephrine did the adverse effect occur? | □ EpiPen or EpiPen Jr □ IM epinephrine with syringe □ Subcutaneous epinephrine □ BOLUS IV epinephrine □ IV epinephrine INFUSION □ Unsure |
|--|--|
| For the third patient, was the adverse effect associated with an INCORRECT DOSE of epinephrine? | ☐ Yes ☐ No |
| For the third patient, how did the incorrect dosing of epinephrine occur? | □ Wrong FORMULATION used (1:1000 instead of 1:10,000 or vice versa) □ Wrong AMOUNT was given (mg or ml) □ Wrong FORMULATION and AMOUNT □ Wrong ROUTE was used (Subcutaneous,IM, IV) □ BOLUS was given instead of INFUSION □ Other |
| For the third patient, please briefly explain how the incorrect de | osing of epinephrine occurred. |
| Excluding any patient(s) in question(s) above, in the | □ No |
| past 3 years, have you cared for a patient who received an INCORRECT DOSE of epinephrine when you ordered or administered epinephrine for an allergic reaction or anaphylaxis in the ED? | Yes (You will be given the opportunity to answer questions for more than one patient below, if needed.) |
| With which formulation of epinephrine did the INCORRECT DOSING occur? | □ EpiPen or EpiPen Jr □ IM epinephrine with syringe □ Subcutaneous epinephrine □ BOLUS IV epinephrine □ IV epinephrine INFUSION □ Unsure |
| For your patient who received the incorrect dose of epinephrine, how did the incorrect dosing occur? | □ Wrong FORMULATION used (1:1000 instead of 1:10,000 or vice versa) □ Wrong AMOUNT was given (mg or ml) □ Wrong FORMULATION and AMOUNT □ Wrong ROUTE was used (Subcutaneous,IM, IV) □ BOLUS was given instead of INFUSION □ Other |
| Please briefly explain how the incorrect dosing occurred. | |
| Have you cared for any additional patients who received an INCORRECT DOSE of epinephrine administered in the ED for an allergic reaction or anaphylaxis? | ☐ Yes ☐ No |
| For the second patient, with which formulation of epinephrine did the INCORRECT DOSING occur? | □ EpiPen or EpiPen Jr □ IM epinephrine with syringe □ Subcutaneous epinephrine □ BOLUS IV epinephrine □ IV epinephrine INFUSION □ Unsure |

| For the second patient who received the incorrect dose of epinephrine, how did the incorrect dosing occur? | □ Wrong FORMULATION used (1:1000 instead of 1:10,000 or vice versa) □ Wrong AMOUNT was given (mg or ml) □ Wrong FORMULATION and AMOUNT □ Wrong ROUTE was used (Subcutaneous,IM, IV) □ BOLUS was given instead of INFUSION □ Other | |
|--|--|--|
| For the second patient, please briefly explain how the incorrect dosing occurred. | | |
| | | |
| Please answer the following questions about yourself. | | |
| I am a: | NursePA/NPResidentConsultantPharmacist | |
| Gender | ☐ Female ☐ Male | |
| Number of years in practice (since graduation from professional school.) | ☐ 0-3 ☐ 4-9 ☐ 10-20 ☐ >20 | |

Do you have any comments regarding use of the EpiPen or Syringe/Ampule for epinephrine administration?

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