

Pharmacology Review

Quick-Case 1

A 22 y/o M presents CA&O in NAD about 10 minutes after ingesting approximately 20 x 500mg Tylenol tablets. Your physical exam is unremarkable, and his vital signs are: HR = 82/min and regular, RR = 12/min GTV, BP = 128/78 mmHg, SpO₂ = 97% RA.

Discussion:

With your group members, please discuss and/or do the following:

- What medication(s) is indicated by the information provided in the case?
- Identify that medication from the selection available to you.
- Discuss the indications, contraindications, mechanism of action, side effects, preparation form, dose, and route for the medication indicated in this case.
- For each of the medications indicated for this patient, list out the “5 Rights” as they pertain to that particular medication and this particular patient.

Quick-Case 2

A 64 y/o M presents C&A in obvious distress c/o CP. Pt describes an acute onset of substernal chest pn radiating to his L arm, neck, and jaw. He describes recent episodes of similar pn, but not as severe. His MD prescribed him “some little white pills to take if the pain came back”, which he produces. Your PE reveals his skin to be cool, pale, and diaphoretic. HR = 88/min and irregular, RR = 14/min GTV, BP = 134/86 mmHg, SpO₂ = 95% RA.

Discussion:

With your group members, please discuss and/or do the following:

- What medication(s) is indicated by the information provided in the case?
- Identify that medication from the selection available to you.
- Discuss the indications, contraindications, mechanism of action, side effects, preparation form, dose, and route for the medication indicated in this case.
- For each of the medications indicated for this patient, list out the “5 Rights” as they pertain to that particular medication and this particular patient.

Quick-Case 3

A 31 y/o F presents in a park C&A though disoriented in severe distress after being stung by a bee. Her sister reports that she is allergic to bees and has a prescribed EpiPen, though she is unsure how to use it properly. Your PE reveals cool, pale, and diaphoretic skin and wheezing to all lung fields. HR = 108/min and regular, RR = 24/min and shallow, BP = 62/P, SpO₂ = 85% RA.

Discussion:

With your group members, please discuss and/or do the following:

- What medication(s) is indicated by the information provided in the case?
- Identify that medication from the selection available to you.
- Discuss the indications, contraindications, mechanism of action, side effects, preparation form, dose, and route for the medication indicated in this case.
- For each of the medications indicated for this patient, list out the “5 Rights” as they pertain to that particular medication and this particular patient.

Quick-Case 4

A 44 y/o M Presents C&A but obviously altered. He can follow directions, but is confused as to person, place, and time. A medical alert bracelet reports that he is an insulin-dependent diabetic. Your physical exam reveals slightly cool, pale, and diaphoretic skin and dilated pupils \perp . HR = 100/min and irregular, RR = 14/min GTV, BP = 140/88 mmHg, SpO₂ = 97% RA.

Discussion:

With your group members, please discuss and/or do the following:

- What medication(s) is indicated by the information provided in the case?
- Identify that medication from the selection available to you.
- Discuss the indications, contraindications, mechanism of action, side effects, preparation form, dose, and route for the medication indicated in this case.
- For each of the medications indicated for this patient, list out the “5 Rights” as they pertain to that particular medication and this particular patient.

Quick-Case 5

A 24 y/o F presents CA&O in mild respiratory distress. She reports that she was recently diagnosed with asthma and prescribed a albuterol MDI by her physician. Your PE reveals wheezing to all lung fields \perp , skin is cool, pale, and dry. HR = 98/min and regular, RR = 18/min GTV, BP = 126/86 mmHg, SpO₂ = 93% RA.

Discussion:

With your group members, please discuss and/or do the following:

- What medication(s) is indicated by the information provided in the case?
- Identify that medication from the selection available to you.
- Discuss the indications, contraindications, mechanism of action, side effects, preparation form, dose, and route for the medication indicated in this case.
- For each of the medications indicated for this patient, list out the “5 Rights” as they pertain to that particular medication and this particular patient.