

EBNP Infection Prevention & Control

Patient-Care Scenario WORKSHOP 2

Scenario:

A 68 year old male was not feeling well, experiencing coughing, fatigue. He went to to his physician for a check-up and was sent for CXR (chest x-ray) and diagnosed with pneumonia. He was started on antibiotic. About 2 weeks later he fell and broke his leg and was admitted to the surgical unit in the hospital.

1. What is the risk that he acquire c.difficile?
2. How to prevent him from acquiring it?

More questions came up in the workshop (not all pertinent info was in the scenario but it was on your minds). Remember the importance of identifying all the questions- each one needs to be searched separately.

3. Are hospitalized patients recently on antibiotics at higher risk for acquiring c. diff than non-hospitalized patients recently on antibiotics?
4. Should asymptomatic hospitalized patients be screened for c.diff?
5. What is the best screening test for c. diff in hospitalized patients?
6. What is the best treatment for hospitalized patients testing positive for c.diff?
7. Should asymptomatic c.diff carriers be treated?
8. How should asymptomatic c.diff carriers be treated?

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Question 1:

Are hospitalized patients who were recently on antibiotics at greater risk to acquire c.diff than patients who were not recently on antibiotics?

P: Hospitalized patient recently on antibiotics

I: recently on antibiotics

C: no antibiotics

O: comparative risk of acquiring c-diff

Type of question: etiology

Type of evidence: cohort/case control

Question 2:

How can hospitalized patients who were recently on antibiotics (or at high risk for acquiring c. diff) be prevented from acquiring c.diff?

P: Hospitalized patient recently on antibiotics

I: x intervention?

C: no comparison

O: effective prevention of acquiring c diff for patients recently on antibiotics/at high risk

Type of question: therapy

Type of evidence: systematic review of RCTs/sRCT

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Question 3:

Are patients who were recently on antibiotics at higher risk for acquiring c. diff if hospitalized compared to not hospitalized?

P: Patients recently on antibiotics

I: hospitalized

C: not hospitalized

O: comparative risk of acquiring c-diff

Type of question: etiology

Type of evidence: cohort/case control

Practice on your own:

Question 4:

P:

I:

C:

O:

Type of question:

Type of evidence:

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Question 5:

P:
I:
C:
O:

Type of question:

Type of evidence:

Question 6:

P:
I:
C:
O:

Type of question:

Type of evidence:

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Question 7:

P:

I:

C:

O:

Type of question:

Type of evidence:

Question 8:

P:

I:

C:

O:

Type of question:

Type of evidence:

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Question 9:

P:

I:

C:

O:

Type of question:

Type of evidence: