

# KASIC NEWSLETTER

Issue Six, Volume Three

Pictured Top: Harrodsburg, KY  
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## Draft Complicated UTI Guideline Update

COMING SOON!

The Infectious Diseases Society of America (IDSA) released a draft of guidelines for the management and treatment of complicated urinary tract infections (cUTIs) in February 2025. **The new guidelines are not finalized and will accept public comment until March 19, 2025.**

There are a few pertinent updates, with attention being directed at the classification of uncomplicated compared to complicated UTIs. The new classification would potentially define uncomplicated UTIs as an infection confined to the bladder in afebrile women or men. Complicated UTIs would include infection beyond the bladder in women or men (pyelonephritis, febrile or bacteremic UTI, catheter-associated UTI, or prostatitis). The guideline also addresses several pertinent issues for the treatment of cUTIs, including empiric therapy, definitive therapy, the role of oral antibiotics, and duration of therapy.

[Click here to review the guideline!](#)

## Gentamicin for Uncomplicated Cystitis Randomized Trial

Cystitis is traditionally treated with oral antibiotics.<sup>1</sup> However, increasing resistance can limit oral treatment options, necessitating the use of intravenous antibiotics in some cases for 3-7 days.<sup>1</sup> A single dose of an aminoglycoside achieves high urinary concentrations, making it an attractive option for cystitis.<sup>1</sup>

A recent randomized, open-label, pilot trial evaluated the efficacy of **single dose gentamicin compared with a 7-day course of oral antibiotic** in adult premenopausal women receiving treatment for **acute uncomplicated cystitis** in the emergency department.<sup>2</sup> The study found that the symptom resolution at 7 days was significantly higher in single dose gentamicin group compared to standard oral antibiotics (83.3% vs 48.1%,  $P = 0.005$ ).<sup>2</sup> This finding suggests single-dose gentamicin is a potential option for acute uncomplicated cystitis in premenopausal women.<sup>2</sup>

[Click here for the trial!](#)

1. Bouwman K, George M. Clinical outcomes in patients who received a one-time aminoglycoside dose for extended-spectrum beta-lactamase-producing Enterobacterales or *Pseudomonas aeruginosa* Cystitis. *Antibiotics (Basel)*. 2024; 13(6):552. doi: [10.3390/antibiotics13060552](https://doi.org/10.3390/antibiotics13060552).
2. Peyko V, Sieger J, Dombroski J. Single-dose gentamicin vs standard care for treatment of acute uncomplicated cystitis in premenopausal women: a randomized trial. *J Pharm Pract*. doi: [10.1177/08971900251322368](https://doi.org/10.1177/08971900251322368)



## KASIC Cases

Each week, a fictional case describing a common antimicrobial stewardship opportunity is posted on X (formerly Twitter) and LinkedIn. Participants are encouraged to answer the poll first and then review the best answer along with an explanation.

### Ready to test your antimicrobial stewardship knowledge?

#### Try out the latest case:

A patient has pneumonia and is on day 5 of vancomycin. He has a history of MRSA and no respiratory cultures have been collected.

Should a MRSA nasal swab be collected now?

- A. Yes
- B. No

[Click here for the BEST answer](#)

[Read more cases here](#)

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## Measles in Kentucky

In February, the Kentucky Department for Public Health (KDPH) announced a confirmed case of measles in Frankfort, KY. Measles is a highly contagious but preventable disease. Everyone is urged to stay up to date on vaccinations to stay protected.

Visit [chfs.ky.gov](http://chfs.ky.gov) for more information from KDPH

[Click here for resources from Centers for Disease Control and Prevention](#)

## Latest Clinical Education Pearls: Click to Read!

[Empiric Pip-Tazo in Intra-Abdominal Infections](#)

[The Clinically Non-Responding Patient](#)

[Impact of Anti-MRSA Therapies on MRSA Nasal Screening](#)

[Beat the Bug: Carbapenem-Resistant Acinetobacter](#)

[MRSA Nasal Screening Outside of Pneumonia](#)

## Norton Infectious Diseases Institute Grand Rounds Educational Series

[Outsmarting the Bug: Leveraging  \$\beta\$ -lactam PK/PD in \*Pseudomonas aeruginosa\* Infections](#)

[Chronic Wounds - The Silent Epidemic](#)

[Mycoplasma Pneumoniae](#)

[Click here for Grand Rounds Information](#)