

KASIC NEWSLETTER

Issue Ten, Volume Two

Dang it! Dengue on the Rise

The CDC has issued a warning on higher than usual dengue infections in the United States. More dengue infections have occurred in the North, Central, and South America in 2024 year to date than in all of 2023. Dengue is a viral infection transmitted through mosquitos. Severity of illness can range from asymptomatic to life threatening. No specific anti-viral treatment exists and management is primarily supportive care. The CDC recommends maintaining a high suspicion for dengue in patients presenting with fever and travel in the last 14 days to areas with frequent or continuous dengue transmission.

[Click here for more information from the CDC](#)

*Pictured Top: Liberty, KY
Attribution to explorekywildlands.com*



More Options for People Living with HIV

The long-acting injectable HIV medication cabotegravir-rilpivirine (CAB-RPV) was approved in 2021 for treatment of HIV patients who have achieved viral suppression with a stable oral regimen.

What about patients who do not achieve viral suppression due to struggle of adherence to oral regimens?

The [International Antiviral Society-USA guideline panel](#) recently suggested to consider CAB-RPV for patients with viremia if they meet the following criteria:

- Inability to adhere to oral HIV therapy consistently
- High risk of HIV progression (CD4 <200 cells/mm³ or AIDS defining complication)
- No resistance to CAB and RPV

The updated recommendation is based on growing evidence on using CAB-RPV in patients with viremia. In [one study](#), among 57 patients with viremia, 54/57 (94.7%) achieved viral suppression, 1/57 (1.8%) had reduction in viral load, and only 2/57 (3.5%) experienced early virologic failure.

KASIC Advisory Board Project to Support You! Long-Term Care Treatment Guidance

[Click here to view the LTC Treatment Guide](#)

Find recommendations for empiric treatment of common infections in adult long-term care residents in Kentucky.

Diseases covered include UTIs, cellulitis, diabetic foot wounds, pneumonia, influenza, and more!

The comprehensive document also includes renal dose adjustments in the Appendix.



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 presented with necrotizing fasciitis from *Streptococcus pyogenes*. After three debridements, no further surgery is planned. He is afebrile x 48 hours after his last surgery and improving.

He is on penicillin + clindamycin

What is the best antibiotic plan?

- A. No change
- B. Stop clindamycin
- C. Stop penicillin
- D. Stop both



Latest Clinical Education Pearls: Click to Read!

Shorter Antibiotic Durations in Diabetic Foot Osteomyelitis

PEN-FAST for Penicillin Allergy De-Labeling

Antibiotics in Infected Pancreatic Necrosis

To Treat or Not To Treat: Acute Pancreatitis

Don't Lose Your Head: Bacteriuria and Altered Mental Status

Norton Infectious Diseases Institute Grand Rounds Educational Series

The Most Interesting Bacterium in the World: Helicobacter

Outbreak Management in the Healthcare Setting

Antimicrobial Stewardship for the Nurse

Looking for some CE or additional education?

Check out these resources and learn more on a wide variety of infectious diseases and antimicrobial stewardship topics!

Free CE from MAD-ID: [click here](#)

Free CE from myCME: [click here](#)

Breakpoints podcast from SIDP: [click here](#)



As always, reach out to KASIC to request clinical pearls on any topic!

[Click here for the BEST answer](#)

[Read more cases here](#)

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