



Session: 3b. Resistance Surveillance & Epidemiology: Gram-negatives

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# Epidemiology of *Escherichia coli* Surveillance Isolates Causing Urinary Tract Infections in Europe and *In Vitro* Activity of Gepotidacin (2019-2020)

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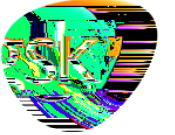
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- Gepotidacin is a novel, first-in-class triazaacenaphthylene antibiotic that inhibits bacterial DNA replication by a distinct mechanism of action, which confers activity against most strains of target pathogens, such as *Escherichia coli*, *Staphylococcus saprophyticus*, and *Neisseria gonorrhoeae*, including those resistant to current antibiotics.
  - This study evaluated the epidemiology of *E. coli* causing UTI in patients seen in Europe and the activity of gepotidacin and comparators ag77



# Conclusions



- Gepotidacin demonstrated potent activity against non-ESBL and ESBL, and various characterized *E. coli* subsets, including the resistant ST131 O25(b):H4 clone.
- These data support the clinical development of gepotidacin as a treatment option for UTI caused by *E. coli* including when other oral treatment options are limited due to resistance.

## Disclosures

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