

Complicated ESBL-E related acute pyelonephritis*

- All severe cases of acute pyelonephritis require assessment of risk factors for ESBL-E and a beta-lactamine + **Amikacin** combination (usually effective for ESBL-E)
- **If history of colonisation or ESBL-E-related UTI < 6 months or risk factors for ESBL, and septic shock: Carbapenem + Amikacin**
- If diagnosis established upon receiving urine culture results
Imipenem 1g tid IV or Meropenem 2g x tid or Tazocillin 4g x 3 or Cefoxitin or Temocillin and/or Amikacin 25 mg/kg single injection (48h)
- Once fever subsides, switch using non-penem alternatives to preferably oral treatment. Treatment duration 10-14 days
- Infection control measures and patient information

* Severe sepsis or septic shock, or indication for drainage due to obstruction