

Reference Tables

Non-infectious causes of fever

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- Post-operative
- Venous thromboembolism
- Subarachnoid hemorrhage
- Cerebral/myocardial infarction
- Alcohol withdrawal
- Drug-induced
- Neuroleptic malignant syndrome
- Malignant hyperthermia
- Fat embolus
- Acute hemorrhage
- Contrast reaction
- Serotonin syndrome

- Decubitus ulcers
- Thrombophlebitis
- Hematoma
- Solid organ injury
 - GI bleed
- Pancreatitis
- Ischemic bowel
- Acalculous cholecystitis
- Adrenal crisis
- Neoplastic conditions Immunologic conditions

***Catheter-Associated Urinary Tract Infections – Signs & Symptoms In general, bacteriuria/candiduria represent colonization &

are RARELY the cause of fever.

- Altered mental status
- Rigors
- Malaise
- Lethergy
- Costovertebral angle tenderness
- Flank pain
- Acute hematuria
- Pelvic discomfort

References

1. Antibiotic guidelines: Treatment recommendations for adult inpatients. Johns Hopkins Hospital Antibiotic Management Program. 2010.

2. Fuentes A. Fever assessment. SurgicalCriticalCare.net/AcuteCareSurgery.net. OrlandoHealth Surgical Critical Care and Acute Care Surgery Fellowships website.http://surgicalcriticalcare.net/Guidelines/

Fever%20Assessment%202013.pdf. April 30, 2001. Revised January 30, 2013. Accessed August 12, 2015.

3. Marik PE. Fever in the ICU. CHEST 2000; 117:855-869.

4. O'Grady NP, Barie PS, Bartlett JG, et al. Guidelines for evaluation of new fever in critically ill adult patients: 2008 update from the American College of Critical Care Mediciane and the Infectious Deseases Society of America. Crit Care Med. 2008; 36,4:1330-1349.

| Step 1 | Zosyn 4.5 g IV q6 * | Pro: anaerobic coverage Con: does not penetrate CNS |
|--|---|--|
| Select one of the following: | Cefepime 2g IV q8h* | Pro: penetrates CNS Con: does NOT cover anaerobes |
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| Step 2 Add MRSA coverage with one of the following: | Vancomycin 25/kg mg IV x1 then 15 mg/kg TID* w/pharmacy consult ** drug of choice for | Pro: preferred for suspected bacteremia Con: complicated dosing, large volume of fluid |
| | bacteremia | |
| | Linezolid 600 mg po BID | Pro: can be given po to minimize fluid, easy to dose Con: bacteriostatic – not appropriate for bacteremia |
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| Step 3 Consider adding anaerobic coverage if using cefepime (when source is anything other than pneumonia) | Flagyl 500 mg po/IV Q8h | Can be given po or IV |
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| Step 4 Review previous cultures & consider specific situations: | History of multidrug resistant gram-negative rods: Meropenem 1g IV q8h* instead of Zosyn or cefepime | **meropenem is ONLY for documented multidrug resistant organisms. Do NOT start meropenem empirically for any patient without MDR organism |
| | History of organisms requiring specific coverage | Example, previous history of Enterobacter, use cefepime over Zosyn. Ask pharmD for assistance if needed. |
| | CNS infection | Vanc or linezolid |
| | | PLUS |
| | | Cefepime 2g IV q8 (or meropenem 2g IV q8 if history of cefepime resistance) |
| | | PLUS |
| | | Flagyl 500 mg PO/OV q8h |
| | Intra-abdominal infection | Does not usually need MRSA coverage Zosyn (preferred for enterococcus coverage) OR cefepime/Flagyl (if unable to use Zosyn) |

*Requires renal dose adjustment

This chart is for empiric coverage only. Antibiotics should be adjusted once culture data is available