Clinical Guideline



Central Line and Fever (non-oncology)

Pediatric Emergency Medicine

Contact primary team on arrival Included patient populations or therapies: Intestinal failure, home parenteral nutrition, hemodialysis, metabolism, sickle cell, or hemophilia WITH central venous catheter AND team suspects CLABSI

Excluded patient populations or therapies: oncology, stem cell transplant, aplastic anemia, cystic fibrosis

CLABSI should be suspected in those with a central venous catheter in place and a new-onset fever OR other systemic or local signs of infection such as hypotension or redness, tenderness, or discharge from their central venous catheter site.

In the event that there is a LOW suspicion for CLABSI, patient is hemodynamically stable, non-toxic appearing and at low risk for complications (note: TPN-dependent patients are at high risk for infection) and there is a plausible alternative source for fever, may consider deferring antibiotics; please consult the appropriate subspeciality team to determine appropriate plan and disposition.

Allergies:

Consider calling
Pediatric ID!

 If IgE mediated allergy to cephalosporin (i.e., anaphylaxis, wheezing): replace ceftriaxone with meropenem

 If IgE mediated allergy to vancomycin: replace vancomycin with daptomycin

Risk factors for fungal disease:

- Prior fungal disease
- Critically ill AND
 - -TPN dependent -BMT or solid organ transplant

-Recent prolonged broad spectrum abx If patient is in septic shock or severe sepsis, see ED sepsis pathway and contact primary team on patient arrival for early discussion of potential central line removal prior to proceeding. Consider removal/exchange of non-tunneled catheters promptly. For tunneled catheters, please page pediatric surgery for removal.

> Obtain blood cultures from (prior to initiation of antibiotic therapy): 1. ALL catheter lumens 2. Peripheral *Please label all cultures appropriately*

Review patient's medical chart for previous microbiologic/antibiogram data to direct empiric antibiotic therapy (extend the lookback to ensure older culture data isn't missed).





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Central Line and Fever (non-oncology) Guideline Executive Summary

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References

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