

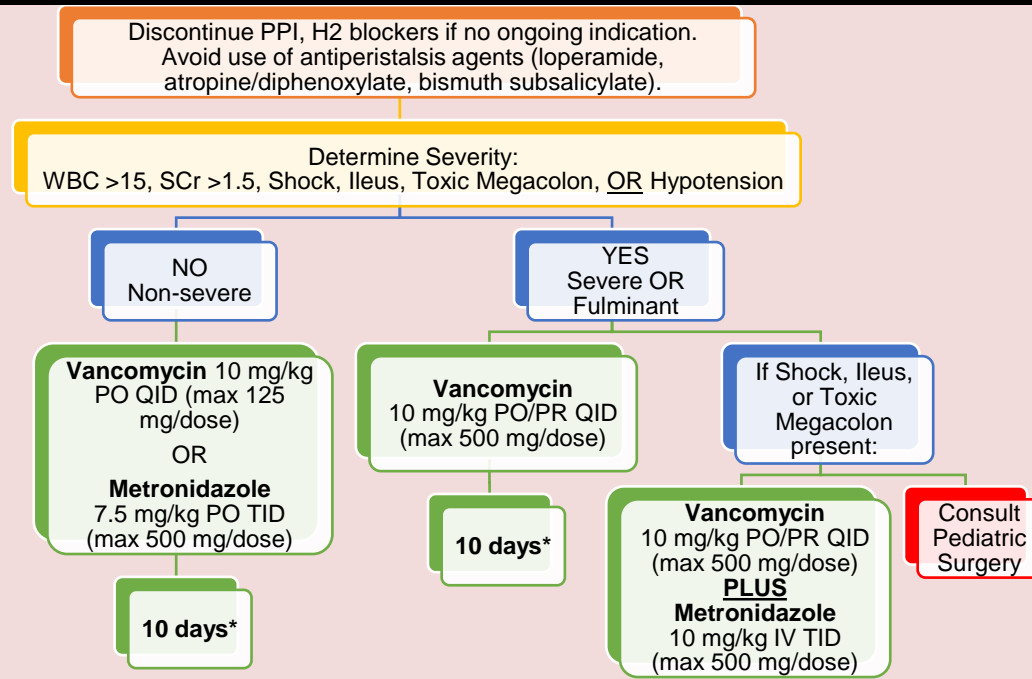
ANMC Pediatric *Clostridioides (Clostridium) difficile* Infection (CDI) Treatment Guideline

Special Pediatric Considerations

Infants and toddlers have high rates of non-pathologic colonization with *Clostridioides difficile*. **Routine testing is not recommended in children <2 years old.**

| <p>< 1 year of age:</p> <ul style="list-style-type: none"> Routine testing is not recommended due to high colonization rates (colonization rates can exceed 40%) Test if infant has evidence of pseudomembranous colitis or toxic megacolon Positive test result indicates <i>possible</i> CDI → continue to seek alternate diagnoses | <p>1-2 year(s) of age:</p> <ul style="list-style-type: none"> Routine testing is not recommended due to high colonization rates Excluded other causes of infectious or non-infectious diarrhea before testing for CDI Positive test result indicates <i>possible</i> CDI → continue to seek alternate diagnoses | <p>≥ 2 years of age:</p> <ul style="list-style-type: none"> Testing is recommended for patients with prolonged or worsening diarrhea AND risk factors or relevant exposures | |
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| <p>Risk Factors</p> <ul style="list-style-type: none"> Recent hospitalization or known contact in the community Antibiotics in previous 90 days <ul style="list-style-type: none"> High risk antibiotics include: 3rd/4th/5th generation cephalosporins, clindamycin, fluoroquinolones, or carbapenems PPI/H2 Blocker use Immunocompromised | | <p>Preventative Measures</p> <ul style="list-style-type: none"> Narrow or discontinue antimicrobial therapy when possible and treat for shortest duration clinically necessary Discontinue PPIs, H2 Blockers, and antacids if no ongoing indication Consider <i>Lactobacillus rhamnosus</i> GG for “high risk antimicrobials”, see <i>C. difficile</i> Prophylaxis Guideline for criteria and exclusions | |
| <p>Signs & Symptoms</p> <ul style="list-style-type: none"> Abdominal pain/tenderness ≥ 3 watery/unformed stools in a 24 hour period Fever Decreased albumin Elevated WBC, SCr | | <p>Clinical Findings</p> <p>Confounding Factors – Testing Discouraged</p> <ul style="list-style-type: none"> <2 years old (see above) Laxative or tube feeding use within previous 24-48 hours <p>Laboratory Findings</p> <ul style="list-style-type: none"> Positive <i>Clostridioides difficile</i> DNA amplification test (2 hour turnaround for results), EIA toxin (1 hour turnaround for results); total ~3 hour turnaround for results Test of cure should not be performed. Repeat tests sent within 7 days will be rejected by microbiology department | |

Antibiotic Selection



First Recurrence (Non-Severe)

Vancomycin 10 mg/kg PO QID (max 125 mg/dose) x14 days

Second or Greater Recurrence

Vancomycin 10 mg/kg PO QID (max 125 mg/dose) x14 days, followed by 4 week taper:

- Vancomycin 10 mg/kg PO BID (max 125 mg/dose) x7 days, then
- Vancomycin 10 mg/kg PO QD (max 125 mg/dose) x7 days, then
- Vancomycin 10 mg/kg PO QOD (max 125 mg/dose) x7 days, then
- Vancomycin 10 mg/kg PO q72hr (max 125 mg/dose) x7 days

Consider for referral for fecal microbiota transplantation after multiple recurrences with standard antibiotic treatment and discussion with pediatric ID and pediatric gastroenterology.

Notes

- *If ongoing therapy with *C. difficile* predisposing antimicrobial regimen, after 10 days of QID PO vancomycin, continue PO vancomycin BID until completion of predisposing antimicrobial therapy regimen.

ANMC Antimicrobial Stewardship Program Approved April 2018; Updated April 2022